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Medpharm Publications (Pty) Ltd

Publisher: Medpharm Publications (Pty) Ltd
PO Box 14804 Lyttelton Manor, Centurion, 0140
Tel: (012) 664-7469 Fax: (012) 664-6276
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Designer: Jenny Hattingh (X-Axisx)
Printed by: Intrepid Printers (Pty) Ltd

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Presidential Newsletter Professor Anil Madaree

Admission Ceremony 13 May 2010

Oration, LTC Ham

List of successful candidates: March 2010

Annual Report of the Senate

CMSA Constituent Colleges

Annual Report of the Constituent Colleges

College of Anaesthetists

College of Cardiothoracic Surgeons

College of Clinical Pharmacologists

College of Dentistry

College of Dermatologists

College of Emergency Medicine

College of Family Physicians

College of Forensic Pathologists

College of Maxillo-Facial and Oral Surgeons

College of Medical Geneticists

College of Neurologists

College of Neurosurgeons

College of Nuclear Physicians

College of Obstetricians and Gynaecologists

College of Ophthalmologists

College of Orthopaedic Surgeons

College of Otorhinolaryngologists

College of Paediatricians

College of Pathologists

College of Physicians

College of Plastic Surgeons

College of Psychiatrists

College of Public Health Medicine (including Occupational Medicine)

College of Radiation Oncologists

College of Radiologists

College of Surgeons

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CMSA Life Members

In support of contemporary Zulu telephone wire baskets

Artist: Dudu Cele, Port Shepstone, KwaZulu-Natal

Photographer: William Raats

Dudu’s work is well described as being full of riotous colors and costume individual expression. She had a passion for celebrating life and occasion in her work, and her baskets showcase images of soccer championships and other such events. Her artwork is available from the BAT Shop, Durban, Tel: (031) 332 9951, E-mail: batcraft@mweb.co.za


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Fees and Charges
(Applicable 1 June 2010 to 31 May 2011)

PAYABLE BY MEMBERS OF THE CMSA:

Annual Subscriptions

Local:  
Associate Founders, Associates, Fellows, Members and Certificants R 638.00  
Diplomates (local) R 375.00  
Overseas (all categories of members) R 638.00  
Retired members R 72.00  
Assessment Fee: Fellowship by Peer Review R 950.00  
Registration Fee: Associates R 620.00  
Fellows, Members, Certificants and Diplomates R 432.00

(Payable by chassis of the CMSA)

Remuneration to Laboratory Technologists/Technicians and Enrolled Nurses (off duty) R 98 p/h  
Nurses / Interpreters R 75 p/h

Purchase or Hire of Gowns and Hoods

(The charge for the hire of gowns by new Fellows, Members, Certificants and Diplomates is included in their registration fees)

Occasional hire:  
Gown and hood R 150.00  
Gown only R 100.00  
Hood only R 60.00  
Purchase of hoods R 250.00  
Cost of Past Examination Papers (per set of 6 papers) R 50.00

PAYABLE BY THE CMSA:

Subsistence Allowance (paid in addition to accommodation) per day or part thereof, actually spent on CMSA business

Senators, examiners and staff (local) R 276/day  
CMSA delegates (overseas) $ 215/day  
Honorarium (local subsistence)  
Local examiners: R276 per day less PAYE of R69 R 207.00  
Remuneration for Setting FCS(SA) Part I Papers R 330.00

Remuneration for Invigilating

(not applicable to salaried personnel of the CMSA)

Full day R 385.00  
Half day R 210.00

Remuneration for Secretarial Assistance

(not applicable to CMSA staff)

The following sliding scale applies:

<table>
<thead>
<tr>
<th>Hours worked</th>
<th>Remuneration</th>
<th>Hours worked</th>
<th>Remuneration</th>
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<tbody>
<tr>
<td>Up to 8 hours</td>
<td>R 40 per hour</td>
<td>26 – 30 hours</td>
<td>R 945</td>
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<tr>
<td>08 – 10 hours</td>
<td>R 385</td>
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<td>11 – 15 hours</td>
<td>R 555</td>
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<td>16 – 20 hours</td>
<td>R 725</td>
<td>41 – 45 hours</td>
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<tr>
<td>21 – 25 hours</td>
<td>R 835</td>
<td>46 – 50 hours</td>
<td>R 1 320</td>
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</tbody>
</table>

There is a ceiling of R1 320 as persons providing secretarial assistance to the CMSA at examination time already receive a full-time salary. Claims in respect of secretarial assistance rendered have to be supported by a special recommendation for payment signed by the examination Convener.

CMSA MEMBERSHIP PRIVILEGES

Life Membership

Members who have remained in good standing with the CMSA for thirty years since registration and who have reached the age of sixty-five years qualify for life membership, but must apply to the CMSA office in Rondebosch. They can also become life members by paying a sum equal to twenty annual subscriptions at the date of such payment, less an amount equal to five annual subscriptions if they have already paid for five years or longer.

Retirement Options

The names of members who have retired from active practice will, upon receipt of notification by the CMSA office in Rondebosch, be transferred to the list of “retired members”.

The CMSA offers two options in this category:

First Option

The payment of a small subscription which will entitle the member to all privileges, including voting rights at Senate or constituent College elections. If they continue to pay this small subscription they will, most importantly, qualify for life membership when this is due.

Second Option

No further financial obligations to the CMSA, no voting rights and unfortunately no life membership in years to come.

Members in either of the “retired membership” categories continue to have electronic access to the Journal Transactions and other important Collegiate matter.

Waiving of Annual Subscriptions

Payment of annual subscriptions are waived in respect of those who have attained the age of seventy years and members in this category retain their voting rights.

Those who have reached the age of seventy years must advise the CMSA Office in Rondebosch accordingly as subscriptions are not waived automatically.
Dear colleagues,

As we usher in the new CMSA executive for the triennium (2010–2013), I take this opportunity to highlight the strategic seven-point plan of Prof Anil Madaree (the new President) and his team for the CMSA, which you will find in the Presidential newsletter. His newsletter summarises the plan as follows:

1. Strategic positioning of the CMSA as the preferred provider of the anticipated specialist national qualifying exam (NQE). The Health Professions Council of South Africa has appointed the CMSA to fulfill that role. The HPCSA gazette on the NQE will be promulgated on 1 January 2011.

2. Intensification of dialogue with various bodies involved with postgraduate medical and dental training and healthcare in South Africa such as the Department of Health, Department of Higher Education and Training, HPCSA to mention a few.

3. Continuation of the CMSA project on “Strengthening academic medicine and specialist training” for South Africa.

4. Increased liaison with sister colleges both internationally and continentally with the African initiative a priority area for improvement.

5. Strengthening audit of our examination processes, which include syllabi content, blue printing, benchmarking etc.

6. Co-ordination of research initiatives especially within the CMSA. This will be led by Prof Bongani Mayosi.

7. Construction of the new CMSA building in Durban hopefully in this triennium.

The above plan is an important thrust in positioning the CMSA as a strategic organisation in maintaining standards of the examinations and certification of medical and dental specialists in South Africa.

The senate annual report covers the period of 1 June 2009 to 31 May 2010 in which newly elected officers for the CMSA are listed. Apart from Prof Anil Madaree who is the President, two vice presidents were elected namely Profs Gboyega Ogbanjo and Jeanine Vellema. The new chairman for the Examination and Credentials Committee is Prof Arthur Rantloane and the new honorary registrar is Prof Mike Sathekge. The 28th constituent college of the CMSA, that is, the College of Paediatric Surgeons, was officially established in May 2010. An update on the CMSA’s project is also reflected in the report. The College website is about to be updated to make it more user-friendly and it is hoped that the new website will be operational by November 2010. The senate adopted the disciplinary procedure to deal with candidates who are caught in acts of dishonesty during CMSA examinations and ruled that the offence committed and punishment/sanction will in future be published on the CMSA website and in the Transactions to discourage this practice.

Two review articles reprinted with permission from JEMDSA have been included in this issue of the Transactions for a particular reason. In a recent national health survey measuring the health of the South African nation commissioned by GlaxoSmithKline (GSK) and conducted by Added Value’s South African team, it was found that 74% of South Africans think their fellow citizens are overweight, while only 34% of people considered themselves as overweight or obese. The national survey further reports that 61%, or nearly two in every three South Africans are overweight, obese or morbidly obese.

The first article on “Factors predisposing to obesity” by Ali AT and Crowther NJ presents a current literature review of this condition. Socioeconomic status and levels of education are associated factors for obesity. Studies have found that Body Mass Index (BMI) is significantly higher among low socioeconomic than middle and high socioeconomic groups, while the level of education is inversely associated with obesity especially in women. Other associated factors are presented in this article and the authors conclude that the only solution to the problem of the obesity epidemic is a rapid change in environmental conditions to better match our present genetic make-up.

The second article is an excellent review of hypertriglyceridaemia by Blom DJ. Hypertriglyceridaemia (HTG) is often neglected when clinicians focus on dyslipidaemia. Severe HTG can trigger fatal acute pancreatitis and partially metabolised triglyceride-rich lipoproteins are among the most atherogenic lipoproteins. The article covers the aetiology, complications and management of this condition in a clear and systematic manner. I highly recommend both articles to you as we strive to control the obesity epidemic in South Africa.

As we approach the end of 2010 and the last issue of the Transactions for 2010, I take this opportunity as usual to “wish you a peaceful and restful Christmas/festive period and a prosperous 2011”. In 2011, watch the space for more relevant, interesting “original and review” articles in the Transactions. Your letters to the editor are welcomed.

Professor Gboyega A Ogbanjo
Editor: Transactions
Email: gao@intekom.co.za

Reference:
Instructions to Authors

1. Manuscripts
   1.1 All copy should be typewritten using double spacing with wide margins.
   1.2 In addition to the hard copy, material should also, if possible, be sent on disk (in text only format) to facilitate and expedite the setting of the manuscript.
   1.3 Abbreviations should be spelt out when first used in the text. Scientific measurements should be expressed in SI units throughout, with two exceptions; blood pressure should be given in mmHg and haemoglobin as g/dl.
   1.4 All numerals should be written as such (i.e. not spelt out) except at the beginning of a sentence.
   1.5 Tables, references and legends for illustrations should be typed on separate sheets and should be clearly identified. Tables should carry Roman numerals, thus: I, II, III, etc. and illustrations should have Arabic numerals, thus 1, 2, 3, etc.
   1.6 The author’s contact details should be given on the title page, i.e. telephone, cellphone, fax numbers and e-mail address.

2. Figures
   2.1 Figures consist of all material which cannot be set in type, such as photographs, line drawings, etc. (Tables are not included in this classification and should not be submitted as photographs). Photographs should be glossy prints, not mounted, untrimmed and unmarked. Where possible, all illustrations should be of the same size, using the same scale.
   2.2 Figure numbers should be clearly marked with a sticker on the back, and the top of the illustration should be indicated.
   2.3 Where identification of a patient is possible from a photograph the author must submit consent to publication signed by the patient, or the parent or guardian in the case of a minor.

3. References
   3.1 References should be inserted in the text as superior numbers and should be listed at the end of the article in numerical order.
   3.2 References should be set out in the Vancouver style and the abbreviations of journals should conform to those used in Index Medicus. Names and initials of all authors should be given unless there are more than six, in which case the first three names should be given followed by ‘et al’. First and last page numbers should be given.
   3.3 ‘Unpublished observations’ and ‘personal communica−tions’ may be cited in the text, but not as references.

Article references:

Book references:

Lost Members

The CMSA office in Rondebosch is keen to establish the whereabouts of the following “lost members”, some of whom may be deceased.

Any information that could be of assistance should please be e-mailed to Mrs Naomi Adams at members@colmedsa.co.za

Aaron, Cyril Leon (College of Family Physicians)
Bennett, Margaret Betty (College of Radiologists)
Block, Sidney (College of Family Physicians)
Breen, James Langhorne (College of Obstetricians and Gynaecologists)
Bresler, Pieter Benjamin (College of Public Health Medicine)
Dembetembe, Vimba (College of Paediatricians)
Gibson, John Hartley (College of Obstetricians and Gynaecologists)
Kok, Hendrik Willem Lindley (College of Neurologists)
Ndimande, Benjamin Gregory Paschalis (College of Anaesthetists)
Phillips, Grant David (College of Surgeons)
Phillips, Kenneth David (College of Family Physicians)

Raubenheimer, Arthur Arnold (College of Obstetricians and Gynaecologists)
Richmond, George (College of Physicians)
Thoka, Matome Jacob (College of Psychiatrists)
Van Coller, Beulah Marie (College of Paediatricians)
Van Greunen, Johannes Petrus (College of Obstetricians and Gynaecologists)
Van Schalkwynk, Leon (College of Forensic Pathologists)
Venter, Shirley Ann (College of Anaesthetists)

Information as at 17 September 2010
It is with great pride that, as President, I write my first foreword for the Transactions. I wish to thank my fellow Senators for placing their trust in me by electing me to this position.

Having served on Senate under five Presidents (Peter Gordon Smith, Dave Morrell, Ralph Kirsch, Lizo Mazwai and Zephne van der Spuy), I have watched the College grow, transform and change for the better.

At the outset I would like to pay a tribute to, and thank Professor Zephne van der Spuy for her leadership of The Colleges of Medicine of South Africa over the last three years. She had the conviction and courage to explore new frontiers with the College Project. This has proven to be a very successful and important task to help improve postgraduate medical and dental training and the standard of healthcare in the country. She led the College with pride, dignity and decorum.

In this article, I would like to lay out my goals for the next triennium. Hopefully when I write my last foreword in 2013, I would have achieved most, if not all, of my goals. Although the core business of the College is examinations, it will be in danger of becoming irrelevant if we do not explore and expand into other frontiers.

My first objective was that of the College being chosen by the Health Professions Council of South Africa as the preferred provider of the specialist national qualifying examination. I led a delegation and presented the College’s offer to the Postgraduate Education and Training Subcommittee (Medical) of the HPCSA. In August we were informed that the CMSA was indeed chosen as the preferred provider. All new registrars, commencing in January 2011, will have to abide by this regulation.

The second objective is to increase and intensify dialogue and colloquy with bodies that are involved directly or indirectly with post graduate medical and dental training and healthcare. This would include bodies such as the Department of Health, Department of Higher Education, Treasury, HPCSA, Health Science Review Committee, Committee of Deans and medical and dental schools. We have already made progress in this regard and met with the Minister of Health and the Health Science Review Committee.

The College Project is another objective. This is gaining momentum rapidly and expanding in content. It has brought together all the role players involved in medical and dental training and healthcare. As an independent and autonomous body, we have the ear of the important organisations.

The fourth objective is to increase liaisons with sister colleges internationally. We do presently have links with colleges in the United Kingdom, United States, Canada, Australasia, Hong Kong, Singapore, Malaysia, Pakistan and in Africa. This dialogue needs to be strengthened with the view to improving aspects such as the examination process, syllabi, training, audit and healthcare. I would especially like to see more cohesion with the African Colleges. This has already been initiated under the Presidency of Lizo Mazwai but there is a need to take it to the next level. This African Initiative, as we call it in the College, has obstacles but we must endeavour to overcome these.

The fifth objective revolves around audit. If we want to ensure that governance principles are adhered to in the College activities, measures must be instituted to implement this. These would include items such as syllabi content, the examination process and benchmarking.

Research is the process whereby so called medical dictums and theories are challenged. Ultimately this will lead to implementation of new measures with the resultant improvement in healthcare. As the premier postgraduate examination body in South Africa, the College must become more involved in research. Many of the College senators and members are indeed eminent researchers at their own institutions. The College must play a role in partaking in and perhaps co-ordination of research initiatives. The Academy of Science of South Africa has published a document explaining the need to strengthen clinical research. This team was led by Professor Bongani Mayosi and he has kindly agreed to lead this aspect for the College.

The seventh and last objective revolves around the Durban building. There is no doubt as to the need for this building. Unfortunately the economic climate has not been the best over the last few years. However, thanks to the Chairman of the Board of Trustees, Dr Warren Clewlow, the fund raising is gaining momentum and we may soon turn the corner. I would also like to thank Professor Y K Seedat for his immense generosity and his tremendous contribution toward the Durban building. He has always supported the College in an unstinting manner. I hope that in my Presidency I will at least see the commencement of building activities on the Durban property.

I would like to thank the Past President, Professor Zephne van der Spuy, my Vice Presidents Professors Gboyega Ogunbanjo and Jeanine Vellerema, the Executive, the Senate, the various Councils, Mrs Bothma and the Cape Town Office, Mrs Vorster and the Johannesburg office, Mrs Walker and the Durban Office for their support and for making my job as President such a pleasant and easy one.

Anil Madaree
President
The admission ceremony was held in the Callie Human Centre, a magnificent sports centre on the grounds of the University of the Free State in Bloemfontein.

At the opening of the ceremony the President, Professor Anil Madaree asked the audience to observe a moment’s silence for prayer and meditation.

The Honourable Mr Louis Harms, Judge in the Supreme Court of Appeal in South Africa, delivered the oration. His speech was a wonderful tribute to the medical profession and to the CMSA in particular.

The incoming President, Professor Anil Madaree presented the outgoing President, Professor Zephne van der Spuy with the Past President's Badge.

Six Fellowships by Peer Review were conferred by the following colleges: College of Family Physicians (Hanneke Britz, Engela Adriana Margrietha Prinsloo, Wilhelm Johannes Steinberg) and the College of Paediatricians (Cornelius Johannes Schoeman, David Kenneth Stones, Jerzy Adam Targonski).

Nine medallists were congratulated by the President on their outstanding performance in the CMSA examinations. Medals were awarded in the following fellowship disciplines: Cardiothoracic Surgery, Neurology, Obstetrics and Gynaecology, Ophthalmology, Paediatrics, Surgery and Public Health Medicine. Medals were also awarded in the following diploma disciplines: Allergology and Emergency Medicine.

The President announced that he would proceed with the admission to the CMSA of the new certificants, fellows and diplomates.

The new Certificants were announced and congratulated.

The Honorary Registrar - Examinations and Credentials, Professor Arthur Rantloane announced the candidates, in order, to be congratulated by the President. The Honorary Registrar – Education, Professor Jamila Aboobaker individually hooded the new Fellows. The Honorary Registrar – Finance and General Purposes, Professor Dhiren Govender handed each graduate a scroll containing the Credo of the CMSA.

The new Diplomates were announced and congratulated.

All in all the President admitted 37 Certificants, 218 Fellows and 239 Diplomates.

The University of the Free State’s choir performed before the ceremony started and then again at the end when the National Anthem was sung, where after the President led the recent graduates out of the hall. Refreshments were served to the graduates and their families.
Admission ceremony
13 May 2010

Guest Speaker

THE HONOURABLE MR LOUIS HARMS
JUDGE IN THE SUPREME COURT OF APPEAL SOUTH AFRICA

Past President’s Badge

PROF Z M VAN DER SPUY

Medallists

LIBERO FATTI MEDAL MEDAL
JOHANN BRINK
FC Cardio(SA) Final

SIGO NIELSEN MEORIAL PRIZE
MOHAMMED ELTZAZ SADIQ
FC Neuro(SA) Part I

GP CHARLEWOOD MEDAL
VULIKAYA MPULWANA
FCOG(SA) Part I

JUSTIN VAN SELM MEDAL
ANTONIO DOS RAMOS
FC Ophth(SA) Part II

ROBERT MCDONALD MEDAL
BIANCE ROWE
FC Neurol(SA) Part II

DOUGLAS MEDAL
SUNU JOHN TENGUVILLA PHILIP
FCS(SA) Final

HENRY GLUCKMAN MEDAL
ELVIRA SINGH
FCPHM(SA)

EUGENE WEINBERG MEDAL
ANNEMARIE GOUWS
FC Paed(SA) Part II

NOVARTIS MEDAL
CAMPBELL MACFARLANE MEDAL
CHERESE LAUBSCHER
Dip PEC(SA)
I thank you for the honour of being invited to attend this admission ceremony – and for speaking to you, members of the medical profession, without involving my medical aid scheme. You are here to receive recognition for your professional attainments – whether by way of fellowships, certificates, diplomas or medals. What makes the recognition special is because it is peer recognition. The word ‘peer’ refers to one’s equals and to nobility. Both meanings apply. Your peers evaluated you; reviewed your abilities; and accepted you as one of the nobles of your profession. I congratulate you.

The recognition is reminiscent of taking silk in the advocates’ profession; Queen’s Counsel or, in our Republic, Senior Consultus. It used to be and supposedly still is an award in recognition of your abilities as advocate. You were assessed by your colleagues and by the judiciary. The head of state makes the award without ceremony or speeches. Your reward is the right to charge higher fees, assuming that you are briefed.

Much is due to your families and friends who have had to endure you, and suffer with you, and make sacrifices, during this difficult time. I often wonder why anyone wishes to become a medical practitioner. Your studies are difficult; your hours are long; the work may be stomach churning; and your remuneration is seldom commensurate with your effort and sacrifice. I know, on the other hand, why people become lawyers – it is because they cannot get admitted to a medical school.

Some months ago I was asked to deliver a two minute keynote address at a graduation ceremony. Today I have ten, and I am supposed to say something profound; something you should remember; but something you probably will forget.

A German doctor who turned comedian – he found it more profitable – tells the story about a competition at the World Cup in Germany. A pot with €50 000 was placed in the middle of the pitch. There were four competitors at the four corners of the field: a good orthopaedic surgeon; a bad orthopaedic surgeon; a surgeon and a radiologist. The first to reach the pot could keep the money. Who won? The bad orthopaedic surgeon won. Why? There are no good orthopaedic surgeons; the surgeon did not understand the rules, and the radiologist was not interested in a measly €50 000.

There is a point to the story, which may not amuse you. You, in your profession, as we lawyers, are often seen as incompetent and money grubbers. If someone is in trouble, he runs to a lawyer. If the lawyer gets him out of the trouble it is not because the lawyer was good or did a good job. No, it was because the client always had such a good case and because he was such a good witness. Actually, he could have won the case without a lawyer. And if the lawyer loses the case it is not because the client had a bad case or was an unaccomplished liar, it was because the lawyer was bad.

The same applies to your profession. If the patient recovers it is because he was strong and not seriously ill; or because Aunt Mabel’s boereraat laced with alcohol did the job. If the patient dies it is not because he was terminally ill; it was because the diagnosis was wrong or treatment bad.

As you know, the word ‘profession’ originally applied to three only: the clergy, the medical and the legal. Maybe four if we include the oldest. The other two do not suffer as much as we do. If St Peter places you in Limbo, it is too late to complain about the priest or moruti or dominee. And who dares to complain openly about the services of the lady of the night?

Our professions are in a cauldron. I note your concern about medical academic training. We lawyers have the same concerns. Quantity has become more important than quality. We have quotas. We often lack suitably qualified or dedicated teachers. Let us not speak about infra-structure. In law we had during the period 1940-1970 the period of the Great Professors: a few professors at different universities who were able to mould legal thinking for years to come. We are now in the era of the Many Law Professors, a few of whom have too much influence.

Both professions are under threat of Big Brother, the Government, who wishes to control all and everything. You, as the CMSA, have been able to survive as an independent organisation. The judiciary is struggling to survive as an independent body. The threat is ever-present, looming over us. And not only here. The Chief Justice of the USA recently denounced Pres Obama for attacking the Supreme Court during the State of Union address, using it as a political pep rally.
Both professions tend to suffer from the ‘ecstasy of sanctimony’ (Philip Roth). But we have serious ethical issues. On the day I wrote this there was a front page article in the Sunday Independent entitled ‘Dodgy doctors run amok in hospitals’. I shall refrain from mentioning the instances of – let us say ‘questionable’ – conduct of certain judicial officers.

I am told that the four pillars of medical ethics are: non-maleficence, beneficence, distributive justice and autonomy (Beauchamp and Childress) although I am unsure whether beneficence should precede non-maleficence. I would imagine that if my profession had thought about the matter it would have come up with more or less the same pillars although all four are encompassed by the term justice, something the judiciary has to dispense. The law is supposed to be the art of what is good and just, but it should also be the dictate of reason. Justice is epitomized by the figure of Iustitia: she is blind, which means that justice does not depend on the identity of the parties. It also implies that the judge should do nothing of his own arbitrary will, nor on the dictate of his personal wishes, but should decide according to law and justice. On the other hand, it may also symbolize the possibility that the outcome of litigation depends on luck or fate. There is the scale to weigh the conflicting interests to ensure that everyone should receive that which the person is entitled to. And there is the double-edged sword, symbolizing the power of reason and justice, which may be wielded for or against either party, and which signifies that the state will enforce the judgment. I have not been able to determine the symbolism behind the fact that Iustitia is not male although it has been suggested that her maidenly form guarantees her impartiality.

We all fail from time to time. There is, for instance, the belief, some centuries old and often very true, that although the duty of judges is to dispense justice, their profession is to delay it. And although they know their duty they practise their profession.

One of your ethical issues is your role in reversing Darwin’s theory of survival of the fittest – are we not at the stage where the weakest survive? Performing procedures that hit the headlines instead of spreading resources sensibly? The law and the judiciary is struggling with a similar issue but in our case we have a duty to ensure that the weak do survive; but this does not mean that the weak must survive if the weak has a weak case. ‘Hard cases [in medicine] make bad ethics in the same way they make bad law’ (Robert Williamson).

By the very nature of our professions our work is not only in the public eye: we are watched by our peers. There is a danger inherent in the judicial office. Any judge is always prone, in a moment of boredom or impatience, to say something downright silly. He is then denounced in the press, his resignation is called for, he is stigmatized as malicious or at least mad and his bench becomes a bed of nails (Rumpole). You, too, have to live with colleagues, assistants and nurses who watch you. And then you have patients who, with a remote in hand, do doctor hopping.

We are also in the age of quick fixes: you have a pill for everything: for erectile dysfunction, for infertility, and conversely, a contraceptive or a pill to end pregnancy. There are pills to make one sleep and pills to keep you awake. There are anti-depressants and pills to suppress emotions. And there are broad spectrum antibiotics with a shotgun approach to medicine.

Lawyers also use quick fixes: we, for instance, have a Constitution that is supposed to fix everything, social, financial, administrative or legal. A Constitution that tends to mean anything we wish it to mean; a Constitution that creates rights but, we wish, imposes no obligations. We have laws, such as the law on minimum sentencing, that are supposed to cure social ills but in fact exacerbate them or create new ones.

We should be aware of the social and physical consequences of using drugs or laws to fix all of life’s ills. And of the propensity for addiction that develops when an over-the-counter fix or a popular law is seen as the palliative.

You have to compete with the alternative health unprofessional. With counterfeit medicines. You have to bear ignorance. One version of the sangoma we have to suffer is the sea lawyer (when at sea a sailor is a law expert) often the prisoner who knows it all and advises his colleagues on how to conduct their defence; or the radio or TV commentator.

I set out to mention a few challenges that your profession and mine face. There is a challenge however that we do not share and that is the brain drain. It affects your profession profoundly. It does not affect mine substantially but it is not, as you think, because we do not have brains. There may be other reasons.

Remember: Grouching is a good excuse. Fretting makes us important. Tragedy is better than comedy for self-dramatization as every teenager knows. Being gloomy is easier than being cheerful. And worrying is less work than doing something to fix the worry (PJ O’Rourke). However, professions are supposed to serve. In Roman times a lawyer, for instance, could not charge fees. We are here to serve. We are in this country to serve our country. It is not only a duty; it is a calling and a privilege.

And in conclusion: for those of you who did not listen, I would suggest Ritalin; and for those who became depressed, some or other serotonin lifter should help. I remain an optimist mainly because I am on placebos.

L T C Harms
13 May 2010
## Fellowships

### Fellowship of the College of Anaesthetists of South Africa: FCA(SA)

<table>
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<tr>
<th>Candidate</th>
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<tr>
<td>ALLI Ahmad</td>
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<td>ALLIE Sayed Imtiaz</td>
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<td>CILLIERS Celeste</td>
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<td>EKUHLEME Henry Uche</td>
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<td>FITCHET Tracey Leanne</td>
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<td>ISHWARALL Sujay</td>
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<td>JACHES Gavin Joseph</td>
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<td>JACOBS Hendrika</td>
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<td>KEERATH Kiran</td>
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<td>LE ROUX Gabriel Johannes</td>
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<td>MARIE Frans</td>
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<td>MARWICK Peter Clive</td>
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<td>MENSAH Langa Adelaide</td>
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<td>MEYER Ockert Johannes</td>
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<td>MPHOMANE Morakane</td>
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<td>NETHATHE Gladness Dakalo</td>
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<td>OBERHLZER Sean</td>
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<td>ROBERTSON William Luke</td>
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<td>RORKE Nicoline Francis</td>
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<td>RUSSELL Samantha Lee</td>
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<td>SAMUEL Raphael Anthony</td>
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<td>SCHULEIN Simone</td>
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<td>TORBORG Alexandra Meryl</td>
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<td>WELS David Peter</td>
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<tr>
<td>WISE Robert Deon</td>
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### Fellowship of the College of Cardiothoracic Surgeons of South Africa: FC Card(SA)

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<td>DAVIDSON Murray Brian</td>
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<td>MOOPANAR Manogrand</td>
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<td>SCHULENBURG Richard Peter</td>
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<td>STROEBEL Johannes Andries Thomas</td>
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### Fellowship of the College of Dermatologists of South Africa: FC Derm(SA)

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<td>MOODLEY Mahendran Perianathan</td>
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<td>MOTI-JOOSUB Nooren-Nisa Razack</td>
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<td>RAMKOISSON Ishaan</td>
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<td>SKENJANA Andiswa</td>
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### Fellowship of the College of Emergency Medicine of South Africa: FCEM(SA)

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<tr>
<td>CARIM Sameer</td>
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<tr>
<td>DHARSEY Mohamed Riaz</td>
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<td>POTGIETE Deidre Ann</td>
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### Fellowship of the College of Forensic Pathologists of South Africa: FC For Path(SA)

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<tr>
<td>MOODLEY Clive James</td>
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### Fellowship of the College of Maxillofacial & Oral Surgeons of South Africa: FCMFS(SA)

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<tr>
<td>DE WAAL André Stephanus</td>
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### Fellowship of the College of Neurologists of South Africa: FC Neurol(SA)

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<td>SITHARAM Raasha</td>
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### Fellowship of the College of Neurosurgeons of South Africa: FC Neurosurg(SA)

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<td>THOMPSON Crispin Maeder</td>
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### Fellowship of the College of Obstetricians & Gynaecologists of South Africa: FCOG(SA)

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<td>BILANKULU Sharon Basani</td>
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<td>MINISI Edwin France</td>
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<td>MOLOKOANE Felicia Moitlamo</td>
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<td>THOMAS Viju Vargheshe</td>
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### Fellowship of the College of Ophthalmologists of South Africa: FC Ophth(SA)

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<td>KOETSIE Karen Monica</td>
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<td>OJAGEER Rashika</td>
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<td>SCHEEPERS Marius Anton</td>
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<td>VALLABH Bhavesh Bardavesingh</td>
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<td>WEITZ Chari George</td>
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### Fellowship of the College of Orthopaedic Surgeons of South Africa: FC Orth(SA)

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<td>BAM Tsepo Gunda</td>
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<td>BUGWANDIN Satish</td>
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<td>MARE Pieter Daniel</td>
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### Fellowship of the College of Otorhinolaryngologists of South Africa: FCORL(SA)

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<tr>
<td>HOEK Werner</td>
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<td>LIEBENBERG Simon John Roy</td>
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### Fellowship of the College of Paediatricians of South Africa: FC Paed(SA)

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<td>FRIGATTI Lisa Jane</td>
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<td>GOLDSTONE Erica Delene</td>
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<td>MAHARAJ Subashni</td>
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<td>MOSHESH Nthabeleng Marcia</td>
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List of Successful Candidates

Fellowship of the College of Pathologists of South Africa – Anatomical: FC Path(SA) Anat
MALAKA Shumani Emmanuel UCT
NAICKER Shaun UKZN
SOOKHAYI Raveendra UCT
VAN DEN BERG Eunice Joy WITS

Fellowship of the College of Pathologists of South Africa – Clinical: FC Path(SA) Clin
VAN DEN BERG Sylvia UP

Fellowship of the College of Pathologists of South Africa – Haematology: FC Path(SA) Haem
GREWAL Ravind Kaur US
NTABENI Nokuthula Lumka WITS
NTOBONGWANA Monalisa UCT

Fellowship of the College of Pathologists of South Africa – Microbiology: FC Path(SA) Micro
BONORCHIS Kim Justine UCT
BOSMAN Nomarompomise Norma WITS
DLAMINI Nomonde Ritta UKZN
RAMJATHAN Praksha UKZN

Fellowship of the College of Physicians of South Africa: FCP(SA)
BUTAU Martin Tawanda WITS
DAVID Rowan UKZN
GOGOLI Neliswa Antonia UCT
HARRIS George Spencer UFS
HEYS Izak Cronje UCT
KALIDEEN Letasha UKZN
MAASDORP Shaun Donnovin UFS
MAHARAJ Nirvarthi WITS
MAKAN Gita WITS
MAKAN Kavita WSU
MOGONE Michael Thamaga WITS
MORKAT Jinan US
NIYENDRA Mulinda WITS
PECORARO Alfonso Jan Kemp US
SCHAR Bourn Elise WITS
VARKEL Leon UCT

Fellowship of the College of Plastic Surgeons of South Africa: FC Plast Surg(SA)
STENINGN Mark Eugene WITS
WESSELS William Louis Fick US

Fellowship of the College of Psychiatrists of South Africa: FC Psyche(SA)
BODASING Zerisha Sastrising UKZN
COSSIE Qhamo Zamani UKZN

Fellowship of the College of Public Health Medicine of South Africa: FCPHM(SA)
JASSAT Wasiila WITS
MAHOMED Saziaa UKZN
MOODLEY Saneendra Vasudevan UP
ROSE André Stanford WITS
TIMOTHY Geraldine Antoinette WITS

Fellowship of the College of Public Health Medicine of South Africa - Occupational Medicine: FCPHM(SA) Occ Med
GOVENDER Nadira UKZN
KGALAMONO Spoponki Mamohapi Alina WITS

Fellowship of the College of Diagnostic Radiologists of South Africa: FC Rad Diag(SA)
CARIM Humza UCT
ESRAHIM Zaeem Ismail UP
GABUZA Marilyn Lungile WITS
GOGAKIS Aphrodite WITS
MAHARAJ Narisha UKZN

Fellowship of the College of Radiation Oncologists of South Africa: FC Rad Onc(SA)
BUDDU Sayeuri UFS
VEERSAMY Petrobian Diwaker UKZN

Fellowship of the College of Surgeons of South Africa: FCS(SA)
ALHARETHI Salem Nasser UCT
ALOROTTO Nikita Leigh UKZN
BHORAT Naseem Yusuph UKZN
DU PLOYO Philippe Theunis WITS
GEORGIOU Ellie US
GOVENDER Magentharn UKZN
GROBLER Lukas Cornelius UKZN
GROTTLE Anders Christian UCT
JACKS Gavin Rubin WITS
LUBBE Jeanne-Adele US
MANGRAY Hansraj UKZN
MATHIR Ahmed UKZN
MJOLI Dennis Monde Thamsanqa UKZN
MORMA Martin Tangmaa WITS
NATHA Bhavesh UCT
NONGOGO Lwazi Knowledge UCT
PEARCE Nicholas Ernest UFS
PILLAY Tharuneshan Ganag UKZN
SCHAM MARKM Rian WITS
SCHUTTE Albertus Nicolaas UFS
SHAQ Muhammed Zaki UKZN
SINGH Aesh WITS
SONDAY Shaheeda UCT
STRAUSS Carol Petrus UKZN
VERMAAK Jacobus Stephanus WITS
VICTOR Anna Elizabeth US
WARDEN Claire UCT
WESSELS Jan John UFS

Fellowship of the College of Urologists of South Africa: FC Urol(SA)
AMEER Yusuf UKZN
CHOHAN Zubair Ebrahim UKZN
MOOLMAN Conray UCT
PRETORIUS Philipheb UKZN
VAN SCHALKWYK Dieter Robert UFS
WOOD Bradley Ryan WITS

Certificates

Certificate in Cardiology in the College of Paediatricians of South Africa: Cert Cardiology(SA) Paed
COMITIS George Agyirs Michael UCT
MOTARA Firoza WITS

Certificate in Cardiology in the College of Physicians of South Africa: Cert Cardiology(SA) Phys
ANGEL Gavin David WITS
MOTAUNG Maskamu Mphahli Joshua UCT
THOMAS Vinod UCT

Certificate in Child Psychiatry in the College of Psychiatrists of South Africa: Cert Child Psychiatry(SA)
MOTINGDE Kediemietse Ursula WITS

Certificate in Clinical Haematology in the College of Paediatricians of South Africa: Cert Clin Haematology(SA) Paed
NEETHLING Beverley Gail UKZN

Certificate in Clinical Haematology in the College of Physicians of South Africa: Cert Clin Haematology(SA) Phys
CHITSIKE Rufaro Saeed WITS
PARASNHAR Sharlene UKZN

Certificate in Clinical Haematology in the College of Psychiatrists of South Africa: Cert Clin Haematology(SA) Phys
NAHRWAR Shabroch Patrick Emele UKCT
RASESEMOLA Mmamoloko Joseph WITS
SARSANSKI Oblivia WITS
WEBB Michael John UFS
List of Successful Candidates

Certificate in Critical Care of the College of Anaesthetists of South Africa: Cert Critical Care(SA) Anaes
MOLADLA Aurene Nkosinathi WITS
MRARA Busiswa WITS

Certificate in Critical Care of the College of Paediatricians of South Africa: Cert Critical Care(SA) Paed
RANCHOD Harshad Bhagwandas WITS

Certificate in Developmental Paediatrics of the College of Paediatricians of South Africa: Cert Dev Paed(SA)
THOMSON Heather Clare WITS

Certificate in Endocrinology & Metabolism of the College of Physicians of South Africa: Cert Endocrinology & Metabolism(SA) Phys
BAYAT Zaheer WITS
DE LANGE Willem UFS

Certificate in Infectious Diseases of the College of Paediatricians of South Africa: Cert ID(SA) Paed
BARNABAS Shaun Lawrence UCT

Certificate in Infectious Diseases of the College of Physicians of South Africa: Cert ID(SA) Phys
DEFFUR Armin UCT
KENYON Christopher Richard UCT

Certificate in Medical Oncology of the College of Paediatricians of South Africa: Cert Medical Oncology(SA) Paed
OMAR Fareed Ibrahim UP
VAN EYSSSEN Ann Louise UCT

Certificate in Neonatology of the College of Paediatricians of South Africa: Cert Neonatology(SA)
MADIDE Ayanda US

Certificate in Nephrology of the College of Paediatricians of South Africa: Cert Nephrology(SA) Paed
NAICKER Elene UKZN

Certificate in Nephrology of the College of Physicians of South Africa: Cert Nephrology(SA) Phys
MANTHI Neriissa WITS

Certificate in Paediatric Neurology of the College of Paediatricians of South Africa: Cert Paediatric Neurology(SA)
HANSEN Perrin WITS
SAMIA Pauline Wangechi UCT

Certificate in Pulmonology of the College of Paediatricians of South Africa: Cert Pulmonology(SA) Paed
KRITZINGER Fiona Elize US

Certificate in Pulmonology of the College of Physicians of South Africa: Cert Pulmonology(SA) Phys
KHALFEY Hoosain UCT

Certificate in Rheumatology of the College of Physicians of South Africa: Cert Rheumatology(SA) Phys
ARENDSRE Regan Emile UCT
KHAN Yunus WITS
LATIEF Josef US

Certificate in Trauma Surgery of the College of Surgeons of South Africa: Cert Trauma Surgery(SA)
MOTILALL Sooraj Ramith WITS

EYAL Ariel Shalom WITS
PADAYACHY Vinesh UKZN

Part I, Primary and Intermediate examinations

Part I of the Fellowship of the College of Anaesthetists of South Africa: FCA(SA) Part I
ALPHONSUS Christella Sinthuja UKZN
ATIYA Ahmed WITS
BEN-ZEEV Shachar WITS
BOLON Stefan Nicholas WITS
CHETTY Aneshree WITS
DE WET Glenmarie WITS
GALAW Adel UKZN
HADJIMICHAEL Maria Anna WITS
HERBURN Dylan Alexander WITS
HONING Berdie UCT
JACKSON Tracy Anne UCT
KAY Jonathan Andrew Robert UCT
MFEYA Loyiso Ndzondelelo UKZN
NOLTE Dean Christopher UCT
PIENAAR Gert Johannes WITS
PIENAAR Rudolf Philip WITS
PLAETJEES Natasha UKZN
POULTNEY Shane Knott WSU
RADEMEYER Karel Marcus UCT
ROOS Anna-Mart UKZN
SHELDON Jonathan WITS
SINGH Rakhsee Krishmalal UCT
STARKWITZ Jed Paul WITS
STROVER Bruce Minto Walter WSU
WASSERMANN George Henry UCT

Part I of the Fellowship of the College of Clinical Pharmacologists of South Africa: FC Clin Pharm(SA) Part I
DECLOEDT Eric Hermann UCT

Part I of the Fellowship of the College of Dermatologists of South Africa: FC Derm(SA) Part I
ISAACS Thuraya UCT
MISRA Rupesh UCT

MOKWENA Tseho Trevor UP
MOOSA Mohammed-Ameen WITS
NKGAFELE Mabu Julia WITS
NTOMBELA Bubele Magnificent UKZN

Part I of the Fellowship of the College of Emergency Medicine of South Africa: FCEM(SA) Part I
FERREIRA yolandi UCT
MCCANN Adrian Thomas WITS
PHILLIPS Laverne Joy US

Part I of the Fellowship of the College of Emergency Medicine of South Africa: FCEM(SA) Part I New Regulations
ALSEHRI Mohammed Faleiz UCT
FÖLSCHER Lindy-Lee WITS
GALAL Meenal WITS
KOMBORO Tendayi Sydney UCT
MBIRIRA Khalid Rajabu US
RAJBARAN Joshua US
SIMELELA Felnkang Rebecca WITS
THIRSK Joanna Frances
VAN JAARSEVELD Theunis Visser UCT

Part I of the Fellowship of the College of Forensic Pathologists of South Africa: FC For Path(SA) Part I
KGOETE Kgolane WITS
NKONO Tiniko Zelga UCT

Primary Examination of the Fellowship of the College of Maxillofacial & Oral Surgeons of South: FCMFOS(SA) Primary
BEZUIDENHOUT Ruan Viljoen UCT

Part I of the Fellowship of the College of Obstetricians & Gynaecologists of South Africa: FCOG(SA) Part I
NAIDOO Vannmala WITS

Part I of the Fellowship of the College of Obstetricians & Gynaecologists of South Africa: FCOG(SA) Part I
ADAMS Hudaa UKZN
BALOYI Kaizer UKZN
GADAMA Luis Aaron WITS
GOIBA Luthondo Lusizo WITS
GROENEWALD Gary Roland UCT
HOLDER Douw Wynand Gysbert US
JACOBS Moegamat Samier US
KADER RAHEL UKZN
KRICK Daniela UCT
MAGOPO Eugenia Malebo WITS
MDONDOLO Mziwohlanga UKZN
MEMBE Gladys Chiukumbutso WITS
MORRISON Candice Jane UCT
MTAMBO Thabiso Bruce UKZN
PIELICHOWSKA Joanna WITS
SENGURAJ Elton US

VAN NIEKERK Elizabeth Christine UKZN
VATHARAJH Rochelle WITS
### List of Successful Candidates

#### Part I of the Fellowship of the College of Ophthalmologists of South Africa: FC Ophth(SA) Part I

<table>
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#### Part I of the Fellowship of the College of Paediatricians of South Africa: FC Paed(SA) Part I

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#### Part I of the Fellowship of the College of Pathologists of South Africa — Anatomical: FC Path(SA) Anat Part I

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#### Part I of the Fellowship of the College of Pathologists of South Africa — Haematology: FC Path(SA) Haem Part I

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<td>MOODLEY Somashree</td>
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#### Part I of the Fellowship of the College of Physicians of South Africa: FCP(SA) Part I

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<td>ZILO Joyce Tukayi</td>
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#### Part I of the Fellowship of the College of Psychiatrists of South Africa: FC Psych(SA) Part I

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<td>ADLARD Rosalind Jane</td>
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<td>MAPATWANA Dumakazi</td>
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<td>YORKE Neil John</td>
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#### Part I of the Fellowship of the College of Diagnostic Radiologists of South Africa: FC Rad Diag(SA) Part I

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<td>GOVENDER Nithentha</td>
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<td>WANER Jonathan Ilan</td>
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#### Part I of the Fellowship of the College of Radiation Oncologists of South Africa: FC Rad Onc(SA) Part I

<table>
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<td>BOSHOFF Mariza</td>
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<td>MULLER Charileen</td>
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#### Primary Examination of the Fellowship of the College of Surgeons of South Africa: FCS(SA) Primary

<table>
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<td>ABDURAHIM Ahmed Mohamed Omar</td>
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<td>APAM Pacifio Gabriel</td>
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<td>AWANG Peter Thomas Ajack</td>
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<td>BARRAGI Anjana</td>
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Primary Examination incl Neuroanatomy of the Fellowship of the College of Surgeons of South Africa: FCS(SA) Primary - Neuroanatomy

BEN HUSEIN Mohamed Ibrahim Ali
BHOO LA Zaeher
MAKHAMBENI Wlimehinah Hendrika
MFUNDISI Coscika Harmony
MOGERE Edwin Kamaiga
PANDARAM Brian

Intermediate Examination of the Fellowship of the College of Maxillofacial & Oral Surgeons of South Africa: FCMFOS(SA) Intermediate

JOSE Veruschka Melissa

Intermediate Examination of the College of Orthopaedic Surgeons of South Africa: FC Orth(SA) Intermediate

BAB A Sachin Ramantali
B E R T I E Julia Diana
F R A N K Ruvyn
G R EY Barend Christiaan
K A U T A Nthabile
M A R I T Z Robert Myles
M A S O N D O Thabani Xolani
M K H I Z E Dumisani Sihle Magnificent
M S G T H I N H Thobile Nozizwe
M V E L A S E Sicelo Nkukelo
N A I D O Keegan
N A I D E Petrus Hendrik
N U N E S Daniel Domingues
S O N J A N I Siyabonga
S U L I M A N Mohammed
S W A R T Marzanne

Intermediate Examination of the Fellowship of the College of Surgeons of South Africa: FCS(SA) Intermediate

B R U C E John Lambert
C H I B A Nishal
C H R I S T I A N Wendy Dawn
D O VA LE Isabel Lewis
D U TOIT Johannes Marthinus
F A L A I Y E Michael Oluwatubiluba
F O R G A N Timothy Robin
K A R R O Ryan Searle
K H O M M I E Faizel
K O S H Y Jithan Jacob
L A I A GOS Dimitri
M A D E L A Fusai Godwin
M BA T H A Bongani Carolin
M E R V E N Marc
M I T C H E L L Claire Eileen
M J O L I Nethelielo
M O T E B E J A N E Mgwale Samson
M O R F O R D Victoria
N A R A N D Mokwale Thabani
N A I D O Keegan
N O A D U Neil
P A T R I C K Tseka
P U R C H A S E Karien
R A H A M O N Rasaq Olushola
R A M I S H A Ali
R E D D Y Tyesha
R E I C H E R T Lize
R I N E S H Rinesh
R O L L I M Alasdair
R O N D A U Oskar
R O U T Abdul
S A N D E R S Amanda Carol
S A U L Lukoien
S U L I M A N Mohammed
S U N D A Y Ayodeji
S U R D E B E Graham Nicolas
T A M A R A Albinos John
T E R HAAR Michiel
T H A M A S I A Siyabonga
T O G O N I D Z E Zurab Tristan

Higher Diplomas

Higher Diploma in Internal Medicine of the College of Physicians of South Africa: H Dip Med(SA)

T A M A Y O ISLA Ramon Alberto

Higher Diploma in Orthopaedics of the College of Orthopaedic Surgeons of South Africa: H Dip Orth(SA)

A D E W O S I Oluao oluifemi
C H E T T Y Rinesh
M A S O N D O Thabani Xolani
P U D D U Alberto
R A U F Abdul
S M I T Rian Wilfred
T E R HAAR Michiel

Higher Diploma in Surgery of the College of Surgeons of South Africa: H Dip Surg(SA)

T O G O N I D Z E Zurab Tristan

Diplomas

Diploma in Allergology of the College of Family Physicians of South Africa: Dip Allerg(SA)

A L L I Razia
E L S Carla
L A M B Gregory Vincent
W H I T E Debbie Ann

Diploma in Anaesthesiology of the College of Anaesthetists of South Africa: DA(SA)

A L E X A N D E R Tamara
A W A T H B E HARI Amit
B A N N A N Scott James
B I Y A S E Mombyethu Geraldine
B O R R I L Kim Leigh
C O E T Z E E Robert
C R O U S Anelise
D A V I E S Helen Margaret
D A W S O N Samuel Robert
D E J A G E Corne
D E V I L L E R S Mari-Louise
D O K O L W A N A Banele Amanda
D U B E Nokukhanya Zamantlana
G R I F F I T H S Andrew James Howel
G U N N I N G Matthew David Godfrey
H A R T M A N N Tania Edna
H A Y E S Paula
H E A T H C O T E Gladwell
H O F M E Y R Michael Ross
L U I M A Ken Rwikabale Namanya Kaizilege
I N V Y A N G OTU Ukeme Sunday
J A N N S E N Nikkie
J W A M B I Lumka Portia
K A B A M B I Kasandji Freddy
K E L L Y Eugene Hamerton
L A P E R E Steven Robert Jan
L A U B S C H E Cheerse
M A K A M E D Hindrick Maisela
M A S T O Maria Jose
M A K O T S U I N A Timvimbio Tchipaipiwa
M L O T S H W A Musawenkosi Buhelebentombi
M O R F O R D Victoria
M O U T L A N A Hiamatsi Jacob
M O D A L U Jacinth Nadine
M U L L E R Guillaume Roux
N G E T U Lumko Robert
N O N G O O Nezisia Petunia
N O Q A L A Onke Mampondenke
N T U N K A Kabangie
N X U M A L O Mpucuko
P U R C H A S E Karien
R A H A M O N Rasaq Olushola
R E D D Y Tyesha
R E I C H E R T Lize
S A U L S Mohammed Shabeer
S W A R T Werner
V A N C O P P E N H A G E N Jan Willem
V A N D E R M E R W E Louise
V A N D E R W ALT Jessica Gwendoline
V A R U G H E S E Jeema Mary
W E N Z E L - S M I T H Gisela
Z A N G E Layla

Diploma in Child Health of the College of Paediatricians of South Africa: DCH(SA)

A R M I T A G E Alexander Jacob
B L A A U W Magdalena Maria
B O O T H Shannon Leigh
C O M L E Y Vanessa
D A B R O W S K I Julia Jo
D E B EYER Graham Nicolas
D E J A G E Pieter Pieterse
D L A M I N Thandukwazi Theunis
F R I Samantha
G A S A R A S I Ingrid
G I O D I Regina Joyita
G R A N T H A M Michele
J A C U B Ayesh
J U L I I U S Bomlyn
K A D E R Naushina Bibi
K H A N Saadiya Bibi
L A GR A N D E Johan
M A B A B O L O Lorraine Hlekani
M AL A H L E H A Moelo
M E Y E R Mandy-Lyn
M E D E M A Kelley Dominique
M O R I E N Y A N E Mampoi Tsepiso Grace

Transactions 14 2010;54(2)
**Diploma in Forensic Medicine of the College of Forensic Pathologists of South Africa – Clin:** Dip Med(SA) Clin

ANDREWS Donavan Mark
SELEPE Malesibisa Mampotoko

**Diploma in Forensic Medicine of the College of Forensic Pathologists of South Africa – Path:** Dip Med(SA) Path

VAN DER NEST Sandra Anette

**Diploma in HIV Management of the College of Family Physicians of South Africa:** Dip HIV Man(SA)

ADEWUMI Olaojuwa Ososola
AJAYI Adekunle Omomuyiwa
AMANAMBU Ndudi Azubuike
ANDREWS Anthony Donald
BANGU Funeka
BEKE Masase Girly
BILTON Rebecca Margaret
BOGOPA Zandile Lebogang
BURDET Claire Elise
CHELIN Neville
CONRADIE Karien
DINBERU Addisu Fantaye
DOLO Sejabaledi Abram
DINBERU Addisu Fantaye

**Diploma in Obstetrics of the College of Obstetricians and Gynaecologists of South Africa:** Dip Obst(SA)

ASSUMANI Basemaneenane Justin
BLIGNAUT Quinton Craig
FANI-SICGU Nombulelo Patricia
IFEOHAI Osita

**Diploma in Mental Health of the College of Psychiatrists of South Africa:** DMH(SA)

CONNELL Alida
DOAWOOD Zaheer
FRANKEN Herman Casper
JONES Megan Peta
LUMU Lavinia Deborah
ZONDI Junaid Freedom

**Diploma in Ophthalmology of the College of Ophthalmologists of South Africa:** Dip Ophth(SA)

ALAM Rifat Tasmeen
DIJK Michael Kwame Gyedu
DU PLESSIS Jacobus Johannes
DU TOIT Schalk Hugo
HADJIOUDI Ntshensha
HARANYINDE Shade
HARANYINDE Limpelani
HARANYINDE Lebogo
MAKUNYANE Lefane Lufutha
NORONHA Xavier
OJOSIEME Akintunde
OSWALD Amilcar
PARKER Laura
POEWE Jean-Claude
SABOTSE Mpho
SOLOMON David
SOUTHAMURU Fidelia
THABETHE Magali
TSHIBANGU Eugene Munyembe
WALTON Echidunye
WANGAA Icem
WEMPE Peter
WINSTON Sanya
ZUMRAH Mmoele

**Fellows by Peer Review**

Dr Roger DICKERSON

**Certificates by Peer Review**

Dr Lufruno Rudo MATHWHA
Dr Andrew Charles ARSENTEL
Prof Guy Antony RICHARDS
Dr Richard Ian RAINIE
Prof Mervyn MER
The second Annual Report of the Eighteenth Senate gives an overview of the business of Senate during the financial year 1 June 2009 to 31 May 2010. The report will customarily be presented in separate sections:

**Annual Financial Statements**

The financial statements and matters pertaining to the appreciation of the state of affairs of the CMSA, its business and profit and loss, will be published on the web page. Hard copies will be available upon application.

**Annual Reports of Constituent Colleges**

The annual reports of constituent Colleges, covering activities during the period under review, form part of this report of Senate but appear as a section on its own as an extension of the report.

**General Activities of Senate**

A general overview of the activities of Senate during the past year are given below.

**IN MEMORIAM**

Senate mourned the death of two esteemed past Presidents during the year under review – Prof Ralph Kirsch on 9 February 2010 and Prof Bert Myburgh on 7 March 2010. Sincere condolences are extended to Mrs Beverley Kirsch and Mrs Marie-Louise Myburgh and their families in their bereavement. Obituaries for both appeared in the last issue of Transactions.

The President and Senate also, with regret, received notification of the death of the following:

**Honorary Fellows**

DE BEER, Johannes
DE VILLIERS, Henri
GILLINGHAM, Francis John
JAFFE, Basil
TRACY, Graham Douglas

**Founders**

BASKIND, Eugene

**Associate Founders**

BARLOW, John Brereton
BARNARD, Pieter Melius
DU PLESSIS, Hercules Gerhardus
GRIFFITHS, Seaton Bythyl
NEL, Rhoderic William Arthur

**Fellows**

ANDREWS, Steven Murray
CHETTY, Gonasilan
DANIELS, Letticia Michelle
FLISHER, Alan John
FREEMAN, Arthur Arnold
GILLMER, Ralph Ellis
HAMILTON, Donald Graham
HARIPARSAD, Dhuneshwar
LAKHOO, Maganial
LEONG, Cheryl Venessa
MABINA, Mpho Herman
MAFOJANE, Ntutu Andrew
MATHIVHA, Tshimbiluni Mavhungu
NUTT, Robert
O’CONNELL, Kevin Otto Charles
PRICE, Samuel Nathaniel
SALTON, Diana Gail Mameena
VAN NIEKERK, Wilmijn Abraham
VAN SCHALKWYK, Colin Henri
WILSON, Jennifer Anne Greta

**Diplomates**

MDLULI, Sipho Ofentse
PLATTS, Julian Roderick
VAN HUIJSSTEEN, Hendrik Roelof

Senate also extends sincere sympathy to their next of kin.

**NEW OFFICERS ELECTED FOR THE CMSA**

**President**

Prof Anil Madaree was elected as President of The Colleges of Medicine of South Africa in October 2009 and officially resumed this office at the Senate meeting in Bloemfontein on 13 May 2010. Prof Madaree will remain in office until May 2013.

**Vice Presidents**

Prof Gboyega Ogunbanjo (Pretoria) who was elected as the Senior Vice President and Prof Jeanine Vellema (Johannesburg), elected as
the second Vice President, also resumed office on 13 May 2010 and will serve in that capacity until May 2013.

**Chairman Examinations and Credentials Committee**

With the election of Prof Jeanine Vellema as Vice President, the office of Chairman of the Examinations and Credentials Committee became vacant and it is recorded with pleasure that Prof Arthur Rantloane (who served in the office of Honorary Registrar ECC), was duly elected to take over from Prof Vellema for the remainder of the current triennium of Senate ending in October 2011.

**Honorary Registrar**

The position of Honorary Registrar Examinations and Credentials Committee had to be filled with the elevation of Prof Rantloane to the Chairmanship, and it is reported that Prof Mike Sathekge was elected to take over the portfolio of Honorary Registrar Examinations and Credentials Committee for the remainder of this term of office of Senate.

**NEW OFFICERS AND SENATE REPRESENTATIVES ELECTED FOR CONSTITUENT COLLEGES**

**College of Forensic Pathologists**

As the Secretary and one of the representatives of the College of Forensic Pathologists on Senate, Dr Isabel Brouwer emigrated, Dr Gavin Kirk was elected to replace her as Secretary and Dr Sageren Aiyer, as representative of the College of Forensic Pathologists on Senate.

**College of Plastic Surgeons**

In terms of the Articles of Association and By-laws, the CMSA President does not represent any of the constituent Colleges. Should the President of a constituent College therefore be elected as President of the CMSA, he/she has to relinquish that office with immediate effect.

Dr Roger Nicholson of Johannesburg was therefore duly elected to replace Prof Anil Madaree as the second representative of the College of Plastic Surgeons on Senate when the latter was elected to the Presidency of the CMSA. Dr Nicholson has also replaced Prof Madaree as the Secretary C PLAST SURG. Dr Nicholson will remain in office for the rest of the current term of office of Senate.

**College of Radiologists**

For personal reasons, Dr Savvas Andronikou resigned as President of the College of Radiologists and as Councillor of that College. Prof Coert de Vries was elected to replace him as President and as the second representative of the College of Radiologists on the CMSA Senate. Prof de Vries will also remain in office for the remainder of the current term of office of Senate ending in May 2011.

**ESTABLISHMENT OF NEW COLLEGE**

The 28th constituent College of the CMSA, namely the College of Paediatric Surgeons, was officially established in May 2010. The first Councillors and panel of examiners are:

- Prof P G Beale (Johannesburg)
- Prof G P Hadley (Durban)
- Prof C Lazarus (East London)
- Dr S M le Grange (Bloemfontein)
- Prof A J W Millar (Cape Town)

Prof S W Moore (Cape Town)
Dr E W Mueller (Pretoria)

Prof Peter Beale was duly elected as the first President of the College of Paediatric Surgeons and will also be representing that College on the CMSA Senate. Prof Alastair Millar was elected as the second representative on Senate. Prof Colin Lazarus was elected as the College Secretary. They will all be serving in their respective offices for the remainder of the current term of office of Senate ending in May 2011.

**CONSTITUTIONS OF CONSTITUENT COLLEGES**

The constituent College Constitutions have been updated and published on the website.

**CMSA PROJECT “STRENGTHENING ACADEMIC MEDICINE AND SPECIALIST TRAINING” INITIATED IN 2007**

Prof Tuviah Zabow has taken control of the Project management on a part-time basis. Together with the Project co-ordinator, Dr Brigid Strachan, they reported the following progress during the past year:

The project was initiated in response to the growing concern among medical and dental professionals about the increasing challenges in the academic training environment and issues relating to the output and retention of specialists and sub-specialists. These have a significant impact on the capacity of both the public and private health sectors to provide the necessary quality health care within South Africa.

Research has shown that South Africa compares unfavourably to other countries on ratios of medical practitioners to population. South Africa has a ratio per 1000 population of 0.77 medical professionals compared with 1.85 for Brazil, 1.98 for Mexico, 2.47 for Australia, and 2.3 for the UK. CMSA research demonstrated that in fact South African ratio per 1000 is closer to 0.55. South Africa has 25,000 doctors for 50 million people and the UK has 120,000 doctors for 60 million people.

Research done by Dr Nicholas Crisp of Benguela Health Pty Ltd and shared with the CMSA Project, detailed that the number of specialists on the public health pay roll from 1997 – 2006 has declined by 25% - by 854 from 3782 in 1997 to 2928 in 2006. The number of medical practitioners on the public sector pay roll has increased by only 774 from 9184 to 9958 in the same period. 1997 – 2006. The decline in specialist numbers is despite an output of specialists of 500 a year or 5000 in the same 10 year period.

The CMSA Project is analysing the issues that impact on the financing and planning of specialist training and academic sites and health services. There is a strong historical correlation between the provision of healthcare and the number of doctors - thus a continuing decline in the number of doctors being absorbed into the public sector system will lead to (is leading to) a proportionate decline in access to health care.

The CMSA Project has undertaken surveys of specialist disciplines in the CMSA and of the Deans of Faculties of Health Sciences to assess needs for specialist and medical practitioners, and capacity for development of medical professionals.
The objectives for the Project are:

- To develop a shared vision for the CMSA which addresses the strategic and operational issues surrounding specialist training and academic medicine and dentistry
- To focus in the immediate term on establishing the current number, type and distribution of specialists; future specialist needs and training requirements; and ways of retaining academic and clinical staff
- To review the governance of academic health centres and conditions of service
- Technical committees have been formed which will address the issues affecting specialist training, the governance and financing of academic medicine, and the infrastructure for academic medicine on an ongoing basis
- To organise an annual Policy Forum which brings together stakeholders to discuss technical and policy issues and identifies appropriate action with regard to specialist training.
- To produce Working Papers / reports on issues which affect specialist output, academic medicine, and the governance of academic institutions
- To undertake an advocacy role in order to ensure that policy proposals are presented to the appropriate channels within the public and private sector
- To build partnerships with private sector health care funders, and public and private sector service providers
- To address the challenges in training and clinical practice presented by the HIV/AIDS pandemic through curriculum development and workshops.

Meetings have been held with the Minister of Health and the Department of Higher Education. The Project has made recommendations and will complete the research at the end of 2010.

CMSA WEBSITE

The College website http://www.collegemedsa.ac.za is in the process of being upgraded, re-designed and modernised with a view to making it more user friendly. The new site will go live in November 2010.

EXAMINATION AND EDUCATION RELATED MATTERS

National Professional Examination

It is with excitement that Senate announces that the CMSA received a request from the Health Professions Council of South Africa to run the National Professional Examination (NPE). Meetings are currently taking place between HPCSA and the CMSA with a view to running the NPE from 2011.

Successful Candidates

The names of candidates who pass the biannual CMSA examinations appear in each issue of Transactions. The results are also published on the web site.

Dishonesty in Examinations

Senate adopted a disciplinary procedure in the event that a candidate:

- communicates or attempts to communicate with any other candidate or any person other than the invigilator on duty;
- makes use of, or has in his/her possession or under his/her control any notes, books or devices which contain information that might be relevant to the examination;
- disrupts the examination in any manner;
- conducts himself/herself in any other dishonest or improper manner, including but not limited to offering bribes, going to the wards immediately before the examination and accessing electronic or written patient files or information; and/or
- behaves or conducts himself/herself in such a manner that has or might have the effect of bringing the good name of the CMSA into disrepute.

Should a candidate be found guilty of misconduct, one or more of the following penalties may be imposed:

- Disqualification from the examination in question and future examinations in the same subject/discipline or any other subject/discipline, for a period to be determined;
- Ineligibility to write any future CMSA examinations;
- Eligibility to write future examinations subject to certain conditions; and/or
- That the matter be reported to the Health Professionals Council of South Africa/Professional Board.

Senate ruled that the offence, as well as the punishment, will be published on the CMSA website and in Transactions to discourage this practice.

Medal Recipients

Recipients of medals during the period under review were:

**Cape Town : 15 October 2009**

**Novartis Medal** : FC Neurol(SA) Part II
Kathleen Jane Bateman

**G P Charlewood Medal** : FCOG(SA) Part I
Dominic Giles Dudley Richards

**A M Meyers Medal** : FCP(SA) Part I
William Wayne Lubbe

**Lynn Gillis Medal** : FC Psych(SA) Part I
Katherine Verne Gilfillan

**Rhône-Poulenc Rorer Medal** : FC Rad Diag(SA) Part I
Hofmeyr Viljoen

**Brebner Award** : FCS(SA) Intermediate
Stefan Hofmeyr

**Douglas Award** : FCS(SA) Final
Lydia Leone Cairncross

**SASA John Couper Medal** : DA(SA)
Leah Dunn Reid

**Bloemfontein : 13 May 2010**

**Libero Fatti Medal** : FC Cardio(SA) Final
Johann Brink

**Sigo Nielsen Memorial Prize** : FC Neurol(SA) Part I
Mohammad Eltzaz Sadiq
Annual Report of the Senate of The Colleges of Medicine of South Africa for the period 1st June 2009 to 31st May 2010

GP Charlewood Medal: FCOG(SA) Part I
Vulikhaya Mpumlwana

Justin van Selim Medal: FC Ophth(SA) Part II
Antonio dos Ramos

Robert McDonald Medal: FC Paed(SA) Part II
Bianca Rowe

Douglas Award: FCS(SA) Final
Sunu John Thenguvilla Philip

Henry Gluckman Medal: FCPHM(SA)
Elvira Singh

Eugene Weinberg Medal: Dip Allergi(SA)
Annemarie Gouws

Campbell MacFarlane Medal: Dip PEC(SA)
Cherese Laubscher

Fellowship by Peer Review
The candidates listed below, were successfully considered for Fellowship by peer review since the last report:

College of Emergency Medicine
DICKERSON, Roger
WELLS, Michael David John

College of Paediatricians
ARGENT, Andrew Charles
HOEK, Beyers Bresler
MATHIVHA, Lufuno Rudo
NEL, Etienne de la Rey
PARBHOO, Kiran B
ROSEN, Eric Uriah
SCHAFF, Hendrik Simon
SCHER, Linda Gail
SCHOEMAN, Cornelius Johannes
SMITH, Johan
STONES, David Kenneth
TARGONSKY, Jerzy Adam

College of Physicians
MER, Mervyn
RAINE, Richard Ian
RICHARDS, Guy Anthony

Endowment of Basil Jaffe Medal
To acknowledge the significant role that the late Dr Basil Jaffe played in the Faculty of General Practice (now known as the College of Family Physicians) over many years, his family and colleagues endowed a medal to perpetuate his name. More details will appear in the next report.

Dr Jaffe’s major contribution to the activities of the College of Family Physicians was also recognised by his peers with the award of a Fellowship ad eundem some years ago.

Examiners’ Workshops
No workshops were held during the past year. The next workshops will be offered, with Prof Cees van der Vleuten, in Cape Town on 7 November 2010, Durban on 8 November 2010 and Johannesburg on 9 November 2010. Topics under discussion will be: “How can we improve the assessment of clinical skills, knowledge and attitudes for specialist qualification?” and “The validity of work-based assessment lies in its users: a workshop on work – based assessment procedures”.

Accreditation of Hospital Training Posts
The following hospitals were accredited:

H Dip Int Med(SA)
Leratong Hospital

H Dip Surg(SA)
Boitumelo Hospital

Dip HIV Man(SA)
Hlabisa Hospital
Paarl Medi-Clinic

DCH(SA)
Gordonia Hospital

Dip OBST(SA)
Raleigh Fitkin Memorial Hospital

Dip Ophth(SA)
Kimberley Hospital Complex

Dip PEC(SA)
Cecilia Makiwane Hospital

Regulations
Update
The Education Committee looked at all the qualifying examinations offered by the constituent Colleges, using parameters to assess the regulations. It was agreed in principle that the regulations would be re-assessed every three years, that a comprehensive syllabus would be developed for every qualification and that all syllabi would have a suggested reading list.

HIV Curriculum
The Education Committee, as a spinoff from the CMSA Forum, was tasked with including HIV/AIDS in all curricula. The issues with regard to HIV/AIDS would be farmed out to two groups viz. basic sciences and the discipline specific aspect. This is still work in progress.

Qualifications Accepted/Declined by HPCSA
The following qualifications were accepted:

Cert Allergology(SA) – Colleges of Family Physicians, Paediatricians and Physicians
Cert Maternal & Fetal Medicine(SA) – College of Obstetricians and Gynaecologists

The HPCSA declined the following:

Cert Addiction Psychiatry(SA) – College of Psychiatrists
Cert Consultation–Liaison Psychiatry(SA) – College of Psychiatrists
Cert PET/CT Imaging(SA) – Colleges of Radiologists and Nuclear Physicians
Cert Abdominal Radiology(SA) – College of Radiologists
Cert Breast Imaging(SA) – College of Radiologists
Cert Chest Radiology(SA) – College of Radiologists
Cert Interventional Radiology(SA) – College of Radiologists
Cert Musculo-Skeletal Radiology(SA) – College of Radiologists
Cert Neuro Interventional Radiology(SA) – College of Radiologists
Cert Neuroradiology(SA) – College of Radiologists

RECIPIROCATING AUDITING

It was agreed in principle that, as a body involved with matters of education and examination, the CMSA should have internal systems in place for quality assurance and audit, complying also with national and international trends. This is currently receiving attention.

SCHOLARSHIPS AND AWARDS

Phyllis Knocker/Bradlow Award: 2007
Dr Nisha Naicker (FCPHM(SA) 2006) has now finalised her project for the 2007 award, entitled “Association between lead exposure and maladjusted behaviour in young adulthood: the birth to twenty cohort”.

KM Browse Scholarship
The scholarship was advertised in 2010 and applications were received for the following studies:
Dr K Bateman: “A prospective, observational cohort study of tuberculous meningitis in South African adults in Cape Town”
Dr D Devchand: “Prospective evaluation of phantom limb sensations and phantom limb pain in a third world setting”
The decision of the review committee was that the award be split equally between the two applicants.

Maurice Weinbren Award in Radiology: 2009
No award was made during the past year.

R W S Cheetham Award: 2009
No application was received.

M S Bell Scholarship: 2009
In terms of the will of the late Mrs Margaret Bell, the College of Psychiatrists established the M S Bell Scholarship some years ago. The Award is made alternate years to coincide with the biennial Psychiatric Congress when registrars are selected and assessed by the Council of the College of Psychiatrists on the standard of their lecture presentations at the Congress. The award for 2009 was made to Dr B R Bruwer.

Y K Seedat Research Project
Interest is being allowed to accumulate for a further year before a call for applications is made.

MEDICAL EDUCATION VISITS

Educational Development Programme: Mthatha
The following activities took place during the past year:
13 – 15 August 2009
Forensic Pathology and Medico-legal issues
Dr N Tsotsi, University of the Witwatersrand, covered medico-legal issues and Dr R Ngude presented on forensic pathology.

15 – 17 October 2009
Medical and Surgical Emergencies
Lectures were presented by Dr A Aboo, Cape Town (medical emergencies) and Professor J H R Becker, Pretoria (surgical emergencies).

18 – 20 March 2010
Urology and Circumcision Complications
Lectures were presented by consultants from the Department of Urology, Walter Sisulu University, Mthatha. They were joined by Dr S Ramkissoon from Durban.

20 – 22 May 2010
Obstetrics and Neonatal Emergencies
Dr G Kali and Professor J Smith, both from the Cape, took care of the talks on neonatal emergencies and they were joined by Dr HC Maise, an obstetrician from the University of KwaZulu-Natal.

Robert McDonald Rural Paediatric Fund
During the year under review, the Department of Paediatrics at the University of KwaZulu-Natal was funded for their outreach course: “Improving the prevention-to-mother transmission program through focused training”.

LECTURESHIPS

Arthur Landau Lectureship: 2009

Professor Sarala Naicker has been nominated by the College of Physicians to be the Arthur Landau Lecturer for 2010. Her lecture, “The changing epidemic of chronic kidney disease” will be given during the coming year.

Francois P Fouché Lecturer: 2009
Professor Bennie Lindeque from Colorado, USA delivered his lecture “Antibiotic loaded bone cement: where is the evidence?”, on 31 August 2009 at the South African Orthopaedic Congress held in the Drakensberg.

Dr Clive Duncan from Canada has been nominated as the Francois P Fouché Lecturer for 2010. He will deliver his lecture, “Just a thought: but see it through” on 30 August 2010 at the next congress to be held in Port Elizabeth.

J C Coetzee Lectureship in Family Medicine and K M Seedat Memorial Lecture
The national Family Physicians Congress is not being held in South Africa during 2010. An appointment for both a J C Coetzee Lecturer and a K M Seedat Memorial Lecturer will be made for 2011.

Margaret Orford Memorial Lecturer: 2010
The next lecture will be given at the Congress of the South African Society of Obstetricians and Gynaecologists in October/November 2010.
The J N Jacobson and W L S Jacobson Annual Lecture
Owing to lack of funds in the distribution account, no lecturer was appointed for 2010.

CPD ACCREDITATION
For the year under review, income from CPD accreditation amounted to R12 900.00.

OUTREACH IN AFRICA INITIATIVE
It was agreed that the CMSA should be more pro-active and forward thinking with regard to its role in Africa. An approach will be made to the Presidents of existing Colleges to determine how the CMSA could assist in terms of their specific needs. Once an understanding is established at this level, the respective constituent Colleges of the CMSA will have a framework within which to arrange their discipline specific collaborations.

J C COETZEE PROJECTS (OBSTETRICS AND GYNAECOLOGY)
The J C Coetzee Fund can be applied for projects in three main areas in obstetrics and gynaecology. These areas are J C Coetzee refresher courses or CME meetings, the J C Coetzee medical development programme to sub-Saharan Africa and the J C Coetzee Lectureship (report on the latter appears elsewhere).

The following activities took place during the period under review:

Refresher Courses or CME meetings

University of Cape Town
The Department of Obstetrics and Gynaecology, University of Cape Town, continued their existing out-reach activities to the Eastern Cape with visits by departmental consultants on various occasions. These visits involved presentations, meetings and ward rounds at Dora Nginza, Frere and Cecilia Makiwane hospitals respectively.

Seven consultants visited the Eastern Cape on four occasions. The topics covered, included:

- Modern management of cervical cancer
- Meconium stained liquor
- Approach to benign vulval disorders
- Diabetes in pregnancy
- Obesity in pregnancy
- Gestational diabetes: the latest picture
- The progress of oral hypoglycaemic agents in pregnancy.

University of Pretoria
Lecturers from the University of Pretoria were involved in two refresher courses:

- In Rustenburg on 6 August 2009. (Prof A Macdonald, Dr P Soma-Pillay and Dr Z Abdooli).
- In Nelspruit on 8 September 2009 (Prof L C Snyman, Dr D H Lombaard, Dr J Biko and Dr D Amoko).

THE COLLEGE OF MEDICINE FOUNDATION DISSOLVED
The College of Medicine Foundation has now been officially dissolved. In terms of By-law 54 of the Articles of Association and By-laws of the CMSA (already amended to make provision for the trustees to function as an entity within the CMSA), the board of trustees shall continue to be constituted every three years at the first meeting of each new Senate.

The board will continue to deal with matters related to fundraising strategies as agreed upon by Senate; the Honorary Treasurer of the CMSA will in future present a report on behalf of the Trustees at each meeting of Senate and a schedule of CMSA investments will be tabled at meetings of the Board of Trustees for information.

CMSA MEMBERSHIP
Benefits
The link to MELISA (the Medical Electronic Library of South Africa) on the CMSA website serves as an incentive to members to participate in what the CMSA has to offer.

Honorary Fellows
Three Honorary Fellowships were awarded during the year under review. The recipients were:

- The Colleges of Medicine of South Africa
  Prof Ralph Kirsch (Past President)
- College of Obstetricians and Gynaecologists of South Africa
  Prof David Baird

Associates
The following registered with the CMSA as Associates during the past year:

- College of Anaesthetists
  MATSIPA, Joel Jonas
- College of Cardiothoracic Surgeons
  CHAUKE, Risenga Frank
- College of Clinical Pharmacologists
  EBRAHIM, Osman
  VAN ZYL, Paulina Maria
- College of Emergency Medicine
  ANDERSON, Peter William Henry
  RAUF, Wawar-Un-Nisa
  SMITH, Wayne Patrick
- College of Ophthalmologists
  PIENAAR, Ané
- College of Public Health Medicine
  KEW, Gregory (Division of Occupational Medicine)
  MOODLEY, Jennifer Rose
  RYAN, Amanda Patricia (Division of Occupational Medicine)
- College of Psychiatrists
  NICHOL, Richard John
College of Radiologists
ACKERMANN, Christelle
STOKER, Aisne Foster

College of Urologists
FOURIE, Tjaart
SIGARROA, Nelson Bustamante

Lost Members
Despite several attempts by the office to trace “lost members”, there are still individuals whose whereabouts are unknown. Information that can assist the office will be appreciated.

Special Award to Dr Ian Huskisson
Dr Ian Huskisson’s illustrious history within the CMSA, which came to an end when he requested leave of Senate with effect from October 2009, warrants special recognition. He received his Fellowship in 1959 and thereafter served on Senate for 45 years. He wrote the History of the CMSA (the first 50 years), was involved for many years with the (now dissolved) College of Medicine Foundation and served the CMSA in numerous other offices. Dr Huskisson received the highest honour that the CMSA can bestow, an Honorary Fellowship, in 1997.

In his final presentation to Senate in October 2009, he pointed out that it was 50 years (almost to the day) that he received his Fellowship of the College of Physicians and Surgeons of South Africa from the hands of the first President, Prof Guy Abercrombie Elliot. The most remarkable feat being the fact that over 45 years with 15 Presidents, there had only been two Secretaries, Mrs Ella Skea and Mrs Bernise Bothma the current CEO.

Dr Huskisson attended over 85 Council/Senate meetings and possibly as many admission ceremonies. He lived through three name changes of the College and had the honour of being Editor of Transactions for 18 years, Treasurer for 15 years and a Trustee of the Foundation for two full decades, over half of which he occupied the post as Secretary/Treasurer of the Foundation. He also had the honour of being an examiner in six different disciplines on well over 50 occasions.

Dr Huskisson said it was with a twinge of sadness, compensated by a sense of pride and fulfillment, that he was part of the development of the College from humble beginnings (in a small part-time office) to a truly national body, three buildings and staff in three centres and committees in each of them, that he wished to say farewell to an august body wishing the Senate great wisdom in its future decision making. It was his wish that the College would continue to expand and prosper and that all its visions would blossom in the future.

It is only fitting, therefore, that he will be receiving an illuminated scroll and a bound leather edition of his book entitled “The History of The Colleges of Medicine of South Africa: The First 50 Years” at a graduation ceremony of his choice.

ASSOCIATION OF MEMBERS
KwaZulu-Natal
Due to lack of interest there has been no activity during the year under review.

Western Cape
At a function for members in the Western Cape the President, Prof Zephne van der Spuy, welcomed the 2009 graduates. This was followed by an address by Prof Francois Venter entitled “HIV in South Africa: How are we doing?”. Members were entertained to cocktails after the lecture.

The feasibility of this endeavour is currently under review.

LIONEL B GOLDSCHMIDT ARCHIVES LIBRARY
During the period under review, over 60 books and special issue historical journals were received, including anniversary issues from South African hospitals and universities. These items were all received as donations. In addition, a number of individual donations of books and memorabilia were received from College members.

The archival collection of papers and newsletters published by the CMSA were maintained.

Mrs Gillian Cress, College librarian, processed and catalogued all additions to the collection on Libwin, the library computer programme.

CMSA PROPERTIES
Development of Durban Property
A fundraising drive aimed at development of the four properties now owned by the CMSA in Glastonbury Place (directly opposite the Nelson R Mandela School of Medicine, University of KwaZulu-Natal) has not been very successful in the current economic climate. The Trustees are, however, continuing to pursue further fundraising initiatives.

Cape Town Property (Rondebosch)
The City Council has credited the College’s rates account with R52 273.33 for the period 2009/2010.

LINKS WITH OTHER PROFESSIONAL BODIES
Health Professions Council of South Africa (HPCSA)

CMSA Representation on HPCSA Boards and Subcommittees
Medical and Dental Professions Board
The HPCSA endorsed the proposal by the CMSA that the President (the office rather than the individual) in future act as representative of the CMSA on the MDPB. Prof Anil Madaree will serve in this capacity for the remainder of his tenure of office on Senate.

Postgraduate Education and Training Committee (Medical and Dental)
With regard to representation of the CMSA on the PETC, the acting Registrar/CEO of the HPCSA, Mrs Marella O’Reilly, pointed out that it was the normal practice of the Board that members of the Subcommittees of the Board be elected from amongst the members of the Board. In terms of this, the Board would not appoint members to its Subcommittee if they were not members of the Board otherwise. In this regard, what the Board wuld possibly consider, was for the representative of the CMSA who would already be a member.
of the Board, to be elected to serve on the Postgraduate and Training Committee (PETC).

**National Departments of Health and Education**

The CMSA remain committed to assisting in the maintenance and improvement of the standard of healthcare and the training of doctors in South Africa and in renewed associations with the Department of Health and Department of Education, continue to make the expertise of CMSA members available to them.

**RELATIONS WITH SISTER COLLEGES AND ACADEMIES**

Contact with Sister Colleges and Academies remain of extreme importance and every effort is made by the CMSA to attend their conferences and meetings. Intercollegiate relationships were fostered at the following meetings where the CMSA was represented:

- **The American Board of Pediatrics : Global Summit of Pediatric Credentialing Organizations** held in Frankfurt, Germany from 17 – 19 July 2009
  
  Representative: Prof Haroon Saloojee, President College of Paediatricians.

- **Academy of Medicine, Singapore : 43rd Singapore-Malaysia Congress of Medicine** held in Singapore from 6 - 8 August 2009
  
  Representative: Prof Zephne van der Spuy, President.

- **The Royal College of Physicians and Surgeons of Canada: 2009 International Conference on Residency Education (ICRE)** held in Victoria, British Columbia from 24 – 26 September 2009 (preceded by the International Medical Educators Leadership Forum on 23 September 2009)
  
  Representative: Prof Zephne van der Spuy.

**ACKNOWLEDGEMENTS**

The major role played by honorary officers, examiners, trustees, constituent College Council and committee and sub-committee members in ensuring the well being of the CMSA, is acknowledged with sincere appreciation.

A word of thanks is also extended particularly, to participants in the educational endeavours of the CMSA during the past year.

The full-time staff form an immensely important component of the infrastructure of the CMSA. Senate records its grateful thanks to each of them for the invaluable role that they play in the administration of the diverse activities of the College.

Bernise Bothma
CEO

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**MAURICE WEINBREN AWARD IN RADIOLOGY 2010**

The award is offered annually (in respect of a calendar year) by the Senate of The Colleges of Medicine of South Africa for a paper of sufficient merit dealing either with radiodiagnosis, radiotherapy, nuclear medicine or diagnostic ultrasound.

The award consists of a Certificate and a Medal.

The closing date is **15 January 2011**. The Guidelines pertaining to the award can be requested from the CEO Mrs Bernise Bothma, CMSA, 17 Milner Road, Rondebosch, 7700.

Tel: (021) 689-9533, Fax: (021) 685-3766 and E-mail: bernise.ceo@colmedsa.co.za

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**R W S CHEETHAM AWARD IN PSYCHIATRY 2010**

The award is offered annually (in respect of a calendar year) by the Senate of The Colleges of Medicine of South Africa for a published essay of sufficient merit on trans- or cross-cultural psychiatry, which may include a research or review article. **All medical practitioners registered and practising in South Africa qualify for the award.**

The award consists of a Certificate and a Medal.

The closing date is **15 January 2011**. The Guidelines pertaining to the award can be requested from the CEO Mrs Bernise Bothma, CMSA, 17 Milner Road, Rondebosch, 7700.

Tel: (021) 689-9533, Fax: (021) 685-3766 and E-mail: bernise.ceo@colmedsa.co.za
CMSA
CONSTITUENT COLLEGES

COLLEGE OF ANAESTHETISTS
CA (CMSA)

COLLEGE OF CARDIOTHORACIC SURGEONS
CCS (CMSA)

COLLEGE OF CLINICAL PHARMACOLOGISTS
CCP (CMSA)

COLLEGE OF DENTISTRY
CD (CMSA)

COLLEGE OF DERMATOLOGISTS
C DERM (CMSA)

COLLEGE OF EMERGENCY MEDICINE
CEM (CMSA)

COLLEGE OF FAMILY PHYSICIANS
CFP (CMSA)

COLLEGE OF FORENSIC PATHOLOGISTS
C FOR PATH (CMSA)

COLLEGE OF MAXILLO-FACIAL AND ORAL SURGEONS
CMFOS (CMSA)

COLLEGE OF MEDICAL GENETICISTS
CMG (CMSA)

COLLEGE OF NEUROLOGISTS
C NEUROL (CMSA)

COLLEGE OF NEUROSURGEONS
C NEUROSURG (CMSA)

COLLEGE OF NUCLEAR PHYSICIANS
CNP (CMSA)

COLLEGE OF OBSTETRICIANS AND GYNAECOLOGISTS
COG (CMSA)

COLLEGE OF OPHTHALMOLOGISTS
C OPHTH (CMSA)

COLLEGE OF ORTHOPAEDIC SURGEONS
C ORTH (CMSA)

COLLEGE OF OTORHINOLARYNGOLOGISTS
C ORL (CMSA)

COLLEGE OF PAEDIATRICIANS
C PAED (CMSA)

COLLEGE OF PAEDIATRIC SURGEONS
CPS (CMSA)

COLLEGE OF PATHOLOGISTS
C PATH (CMSA)

COLLEGE OF PHYSICIANS
CP (CMSA)

COLLEGE OF PLASTIC SURGEONS
C PLAST (CMSA)

COLLEGE OF PSYCHIATRISTS
C PSYCH (CMSA)

COLLEGE OF PUBLIC HEALTH MEDICINE
(INCLUDING OCCUPATIONAL MEDICINE)
CPHM (CMSA)

COLLEGE OF RADIATION ONCOLOGISTS
CRO (CMSA)

COLLEGE OF RADIOLOGISTS
CR (CMSA)

COLLEGE OF SURGEONS
CS (CMSA)

COLLEGE OF UROLOGISTS
CU (CMSA)
COLLEGE OF ANAESTHETISTS

As would be expected, College Council was largely occupied with examination related matters in the period under review.

A major accomplishment was the finalisation of the examiner’s handbook which incorporates all our examination offerings, being the diploma, primary, exit and certificate examinations. This handbook details all aspects of the examination process including setup and conduct and also addresses the role and obligations of observers to our examinations. I am particularly grateful to Drs Gopalan and Joubert for compiling this document.

Another area of activity was addressing the quality of feedback to candidates and teachers, especially following an unsuccessful attempt at the examination. In this regard a formal feedback instrument has been developed to assist both the candidate and their teachers in preparing for the next examination attempt.

The FCA(SA) Part I remains the most difficult to arrange, principally due to the small pool of examiners available for this examination. Numerous and various means have been tried to attract more colleagues to participate in this examination but largely without success. College Council has thus approved a plan to reintroduce the FCA(SA) I examiners meeting as a strategy to address the difficulty highlighted. It is hoped that this will present an opportunity for colleagues to interact more meaningfully and perhaps encourage one another to get or stay involved in the primary examinations. Other potential benefits are that such a grouping would compile the questions for the next examination and also assist Council with nominations for the next examiners panels. This will obviously have implications for the College, but it is nonetheless a very necessary step in improving the quality, fairness and reliability of the primary examinations. To further enhance examination processes, both the FCA(SA) I and FCA(SA) II will hold workshops for examiners in the second half of 2010.

As regards linkages with external colleagues and organisations, I am pleased to report that our College has nominated Prof John Sear from Oxford University for Honorary Fellowship and that he has accepted this honour. Prof Sear is an icon of anaesthesia internationally and our College is privileged indeed to be associated with him.

The College of Anaesthetists held its annual general meeting in March this year on the occasion of the annual congress of the South African Society of Anaesthesiologists (SASA) which was held in Bloemfontein. Flowing from this our two organisations will be working more closely together and this will benefit our College enormously, especially as regards support for some of our educational projects.

Prof Arthur Rantloane
PRESIDENT

COLLEGE OF CARDIOTHORACIC SURGEONS

From reservations recently expressed about the format of the Fellowship examination, changes, effective as of September 2010, have been made to the current structure of the written paper, such that the three broad components of Cardiothoracic Surgery viz general thoracic surgery, cardiovascular surgery (acquired and congenital) are proportionally represented in line with blue-printing

With the use and submission by candidates of the Portfolio of Learning (logbooks) in its current standardised format, now routinely employed by all the academic departments, examination conveners who review these records (and hence the College Council) have become aware of the disparate training in the various units in the country, raising concerns about the quality and volume of exposure to surgical disease and technical skills development. This sensitive and disconcerting feature maybe reflected in the performance of the candidate in the Fellowship examination.

As a Council, a decision on the ratio of trainer to trainee to workload needs to be made and adjusted to obtain optimal exposure and expertise within a limited time-frame. The latter issue, i.e. training time for cardiothoracic surgeons is another source of contention. In this regard the phrase “exit exam” is a misnomer as it presumes that, having favourably acquitted oneself in the Fellowship examination the candidate is suitably qualified for independent practice. Four winters is universally accepted as an inadequate training period. The CMSA does not function in a vacuum. It is incandescently clear that the three eminent bodies : University (badge), Department of Health (purse strings), HPCSA (rubber stamper) need to function in unison and synchronously to establish seamless training schemes.

Prof Anu Reddi
PRESIDENT

COLLEGE OF CLINICAL PHARMACOLOGISTS

Regulations

The HPCSA has recognised clinical pharmacology as a stand-alone speciality, but this still has to be gazetted.

Membership

The following candidates were nominated as Associates of the College of Clinical Pharmacologists:

Prof E N Kwizera : Walter Sisulu University
Dr T Kredo : University of Cape Town

Prof Arthur Rantloane
PRESIDENT
Dr K Cohen : University of Cape Town
Prof K I Barens : University of Cape Town
Dr O Ebrahim : University of Cape Town
Dr R de B Gounden : University of Stellenbosch
Dr M F P C van Jaarsveld : University of the Free State
Dr C M Smith : University of the Free State
Dr P M van Zyl : University of the Free State
Dr P Mugabo : University of the Western Cape

Examinations
The FC Clin Pharm(SA) Part I was held for the first time in March/May 2010. One candidate entered the examination and passed.

Annual General Meeting
The first annual general meeting of the CCP was held at the North-West University, Potchefstroom on 24 September 2009 during the 5th International Congress of Pharmaceutical and Pharmacological Sciences (5th ICPPS 2009) attended by Prof G Maartens (President), Prof E Osuch (Secretary), Prof B Rosenkranz, Prof J R Snyman and Prof O B W Greeff.

Prof Elzbieta Osuch
SECRETARY

COLLEGE OF DENTISTRY
During the past year the College has been trying to develop the various postgraduate dental curricula to meet the changing needs of the country. The President and Secretary attended the strategic planning courses and have presented their ideas to various stakeholders at the four Dental teaching Universities, requesting their input and feedback. There was unfortunately not much response, but despite this they have begun to work on and refine the portfolios for each of the disciplines. A proposal has been submitted to the CMSA offering candidates an opportunity to complete a Diploma course in Implantology. This will now be sent to Senate for ratification.

Many of the old members have retired and as such a number of changes were made to the old list of examiners. It is hoped that the newly elected pool of examiners will bring a fresh approach to the College and stimulate more candidates to register in the future. The retired members also left the College with a much reduced strength, as reflected in the following activities and achievements.

The highest number of candidates passed the FC Derm(SA) examinations in May 2010. We had 6 successful candidates in the Part 1 examinations and 10 out of 13 successful candidates in the final examinations. The clinical examinations were held in Bloemfontein and Prof W Sinclair must be commended for his excellent convening.

The successful candidates were:

The dermatology portfolio will be implemented in 2011. The finalised version will be posted on the website. The consensus was that the departmental heads will modify the portfolio and use it to fulfill the specific departmental requirements.

Much time was spent on examination matters at the annual Council meeting of our College which was held at Spiers in May 2010. The time allocations, types of medical and dermatology cases and histopathological conditions were clarified that should be chosen for the clinical examinations. The roles of the moderators and convenors of both the Part 1 and 2 examinations were also defined. These will also be posted on the website.

Prof Jamila Aboobaker
PRESIDENT

COLLEGE OF EMERGENCY MEDICINE
It is a great privilege to present the sixth Annual Report of the College of Emergency Medicine of South Africa. It is pleasing to note that the discipline of emergency medicine continues to grow from strength to strength, as reflected in the following activities and achievements.

Elected Councillors
- Dr Walter Kloeck (President and Senate Representative)
- Dr Roger Dickerson (Secretary)
- Dr William Lubinga (Senate Representative)
- Dr Michael Wells
- Dr George Dimopoulos
- Dr Caryn Frith (Diplomate Representative)
- Dr Nicola Rains (Diplomate Representative)

University Representation
Six South African medical universities now offer post-graduate registrar training in emergency medicine. Representatives of all six universities have been elected or co-opted onto the Council of the College of Emergency Medicine:
- Professor Lee Wallis – Universities of Cape Town and Stellenbosch
• Professor Eftraim Kramer – University of the Witwatersrand
• Professor Andreas Engelbrecht – University of Pretoria
• Dr William Lubinga – University of Limpopo
• Dr Pravindas Hargovan – University of KwaZulu-Natal

We are pleased to note that the University of KwaZulu-Natal has now been accredited by the Health Professions Council of South Africa to offer emergency medicine registrar training and we welcome Dr Hargovan onto our Council as their university representative.

Our College actively pursues a policy of close co-operation and consensus between all major academic institutions involved in the training and provision of emergency care, a goal which is essential for the uniformity and development of our new specialty.

**Fellowship by Peer Review**

Fellowship of the College of Emergency Medicine (FCEM(SA)) by peer review has been awarded by the CMSA to the following two leaders in the field of emergency medicine for their ongoing dedication and commitment to the development of emergency medicine in South Africa:
• Dr Michael Wells
• Dr Roger Dickerson

**Associateship**

In recognition of his active involvement in disaster medicine and emergency care in this country, Dr Wayne Smith was nominated as an Associate of the College of Emergency Medicine.

**Diploma in Primary Emergency Care (DipPEC(SA))**

To date, a total of 519 candidates have successfully obtained the Diploma in Primary Emergency Care (DipPEC(SA)) qualification since the CMSA first introduced this examination in 1986.

The regulations for the DipPEC(SA) have been revised, allowing the Diploma examination to be more accessible to all medical practitioners with an active interest and involvement in emergency care and not only those based in selected casualty and emergency departments. Doctors based at any hospital that is accredited by the HPCSA for intern training, as well as numerous private hospitals, are now able to submit a comprehensive “portfolio of learning” in support of their application to write the examination.

The syllabus for the Diploma has also been revised, with less emphasis on basic sciences and greater emphasis on clinical and environmental aspects of emergency care. A formal resuscitation skills assessment has been added to the OSCE component of the examination, further enhancing the practical competence of successful candidates.

Many thanks are extended to our Diplomate representatives, Dr Caryn Frith and Dr Nicky Rains, for revising and updating this exciting Diploma.

Dr C Laubscher and Dr S Singh are to be congratulated on being the 2009 medal recipients for the DipPEC(SA) examination.

**Higher Diploma in Emergency Medicine**

The College of Emergency Medicine will be introducing a Higher Diploma in Emergency Medicine as from next year. The Higher Diploma will be open to candidates who have held the Diploma in Primary Emergency Care (or equivalent) for at least 2 years and is intended to empower medical practitioners actively involved in the practice of emergency medicine to supervise and train junior doctors in the skills and procedures required to practise safe and effective acute medical care.

Thanks are extended to Dr Mike Wells for his input into the development of this new Higher Diploma.

**Fellowship of the College of Emergency Medicine (FCEM(SA))**

To date, the College of Emergency Medicine has 13 candidates who have successfully passed the FCEM(SA) Part 2 Examination and are registered as specialists in emergency medicine. In addition, 36 candidates have successfully completed the FCEM(SA) Part 1 Examination and 9 additional candidates have obtained credits in one or more of the four basic sciences subjects (anatomy, pathology, physiology and pharmacology).

As from January 2010, the four basic science subjects are being examined in combination rather than separately and the basic sciences credit system will be phased out over the following 18 months.

Training in emergency ultrasonography has become a compulsory entry requirement for candidates attempting the FCEM(SA) Part 2 Examination as from July 2010, in line with international trends advocating the importance of this valuable diagnostic tool in emergency care. Dr Mike Wells and Dr Stevan Brujin are thanked for the extensive preparatory documentation provided in this regard and for agreeing to co-ordinate training programmes and certification in emergency ultrasonography countrywide.

**Subspecialty in Critical Care**

It is pleasing to note that the specialty of emergency medicine has been accredited by the HPCSA as a base specialty for subspecialist training in critical care.

**Emergency-Related Short Courses**

A comprehensive and updated list of emergency-related short courses available in South Africa is available on the CMSA Website to assist candidates in their preparation for College examinations, as well as providing a useful resource for all post-graduate doctors practising in South Africa.

As a membership benefit, a discount of R100-00 is offered to all paid-up members of the CMSA on many of the listed courses. The College extends its appreciation to all these training organisations for their continued support and encourages College members to take advantage of this offer.

**Emergency Medicine Society of South Africa**

It is very pleasing to note that many recipients of the DipPEC(SA) have joined the Emergency Medicine Society of South Africa (EMSSA), adding strength to the growing voice of Emergency Medicine in South Africa. Medical practitioners with an interest in emergency medicine are encouraged to join EMSSA and benefit from the wide range of activities, practice guidelines, congresses, courses and
Learning opportunities that EMSSA has to offer. Details are available from the website “www.emssa.org.za”.

African Federation of Emergency Medicine

Several universities in other parts of Africa, such as Botswana, Malawi and Ghana, have indicated an interest in developing formal emergency medicine training programmes and establishing an African Federation of Emergency Medicine. Our College is fully supportive of this trend and is actively involved in assisting in this regard.

Membership of the College of Emergency Medicine

Following the establishment of the College of Emergency Medicine of South Africa in May 2004, we are pleased to report significant growth in all our membership categories:

- 34 Fellows
- 9 Associates
- 519 Diplomates

The College of Emergency Medicine is proud of all medical practitioners who strive to raise the practice of emergency care in our country and is pleased to be able to honour and reward colleagues who achieve excellence in this vast discipline.

Dr Walter Kloek Dr Roger Dickerson
PRESIDENT SECRETARY

COLLEGE OF FAMILY PHYSICIANS

The Council of the College of Family Physicians held its annual face-to-face meeting on 25 May 2010 at the CMSA offices, Johannesburg. Having discussed various matters, the following were resolved:

FCP(SA) Examination

The first FCP(SA) Part 1 examination was scheduled for the August/October 2010 CMSA examinations. The CFP Council agreed that each Family Medicine department would nominate one examiner. In addition, a panel of 3 moderators was nominated to review the question papers. The finalisation of examination questions was to be completed by the convenor, Prof S S Naidoo. The generic portfolio to be used for the candidates was discussed. It was decided that the portfolio template on the CMSA web-site would be populated, taking into consideration the portfolios of the various departments of Family Medicine and that for the first set of candidates, the HODs should send their logbooks and compliance letters to the CFP for verification.

Higher Diploma in Family Medicine

The CFP Council discussed the introduction of a Higher Diploma in Family Medicine within the College of Family Physicians. The regulations, including the curriculum, were reviewed extensively and it was agreed that a revised copy would be compiled and approved by the Council before presentation to the CMSA Examinations and Credentials Committee.

Lesotho-Boston Family Medicine Training Programme

A request was received from the Lesotho-Boston Family Medicine Training Programme to review their Family Medicine residency programme with the view of endorsing this. The Council agreed to send a 2-person team to visit the training sites in Lesotho and to review the residency programme. A report was to be compiled and distributed to Council members after the visit for a final decision.

Rotation of registrars through general practice sites

The possibility of Family Medicine registrars rotating through accredited GP sites was discussed. According to HPCSA’s regulations, a 3-month maximum rotation was allowed without HPCSA approval. The Council decided to review this issue at a later date.

CMSA Officers

The Council noted with pleasure that Prof Gboyega Ogunbanjo was elected to the position of Senior Vice President of the CMSA in May 2010 and will be serving in that capacity until May 2013.

Date of next CFP council meeting

It was agreed that the next meeting would take place in Durban on 13 October 2010.

Prof Gboyega Ogunbanjo Prof Soornarain Naidoo
PRESIDENT SECRETARY

COLLEGE OF FORENSIC PATHOLOGISTS

The College of Forensic Pathologists held a full Council meeting in Cape Town during October 2009, the first for several years. It was resolved to, as far as possible, meet at least on an annual basis.

At this meeting decisions were taken to change the format of the FC For Path(SA) examination. These changes were subsequently approved by the Examinations and Credentials Committee and ratified by Senate and come into effect with the August/October examinations in 2010. The Part I of the FC For Path(SA) examinations previously comprised one 3-hour written paper, one 3-hour histopathology slide practical and a 45 minute oral examination. The oral examination has now been removed and instead, there will be two 3-hour written papers. In addition, both the FC For Path(SA) Part I and II histopathology slide practical examinations will now be held in the relevant University Departments around the country during the week of the written examinations. This will reduce travel costs for both the candidates and the CMSA. The Part II examination for the FC For Path(SA) will now include an autopsy examination during the practical/oral CMSA examination week as a permanent component, where previously it was an option that was available to be used at the discretion of the examiners panel, but that was seldom included.

Our College welcomed a number of new Fellows and Diplomates during the past 12 months. We wish to extend our warmest congratulations and welcome to all these new CMSA members:

FC For Path(SA) II Graduates:
Dr Hestelle Nel, Dr Clive Moodley, Dr Sonata Wairaven.

Dip For Med(SA) Path Graduates:
Dr Estevão Afonso, Dr Akmal Khan, Dr Venessen Pillay, Dr Sandra van der Nest.

Dip For Med(SA) Clin Graduates:
Dr Adri Krieger, Dr Donovan Andrews, Dr Malesiba Selepe.
On behalf of our Council, I would like to express my sincere thanks to Mrs Ann Vorster and Mrs Bernise Bothma, as well as their administrative staff for their ongoing support, advice and assistance.

Dr Gavin Kirk
SECRETARY

COLLEGE OF MAXILLO-FACIAL AND ORAL SURGEONS

It is a pleasure to present the annual report of the College of Maxillo-Facial and Oral Surgeons for the period 1 June 2009 to 31 May 2010.

A meeting of the Council was held on 5 August 2009. Following this meeting:

- The constitution of the CMFOS was reviewed and changes were made.
- The examination regulations and portfolios were revised and published on the web in May 2010. The Regulations will allow for an equivalent examination with international Colleges.

Contact was made with the West African College of Surgeons and the National Postgraduate Medical College of Nigeria. Presently a concept “Memorandum of Understanding” is being prepared for discussion and implementation.

In August/October 2009 there were three successful candidates in the primary examination and in March/May 2010, there was one successful candidate in each of the primary and intermediate examinations and two successful candidates in the final examination.

On behalf of the College of Maxillo-Facial and Oral Surgeons, I would like to thank the College Council and the CMSA staff in the Cape Town, Durban and Johannesburg offices for ongoing support.

Dr Suvir Singh
SECRETARY

COLLEGE OF MEDICAL GENETICISTS

The College of Medical Genetics was constituted in 2008, as training in the new full specialty of Medical Genetics is now offered.

The first three registrars have registered to write the FCMG(SA) Part 1 in August 2010.

Concerns have been voiced by the Council on the severe shortage of consultant medical geneticists and the difficulties in obtaining training posts for registrars, thus severely limiting our ability to train.

Prof Amanda Krause
SECRETARY

COLLEGE OF NEUROLOGISTS

Council Meeting

All 9 members attended the annual Council meeting in Johannesburg on 12 February 2010.

Examinations

At the Council meeting, final changes were made to the Neurology Portfolio which will be used by all Neurology trainees who start their specialisation in 2010.

No changes were made to the syllabi for the FC Neurol(SA) Parts 1 and 2 examination. Concerns were raised about the conduct of the neurology examination and all convenors and examiners will be reminded to adhere to the agreed regulations. The panel of examiners was updated. The Sigo Nielsen medal for Part 1 and Novartis medal for Part 2 of the FC Neurol(SA) will be retained. The regulations for the Diploma in Sleep Medicine will be updated to enable trainees to complete there training either on a full time or part-time basis.

K M Browse Research Scholarship

This scholarship will be advertised in 2010 to the value of R30 000.

CMSA Meetings

Professors Roland Eastman and Bryan Kies represented the College of Neurologists at the CMSA Senate meetings and Finance and General Purposes Committee meetings.

Annual Subscriptions

All our members are encouraged to maintain their annual subscriptions and so ensure that our College is able to continue its core function of maintaining academic standards in College specialist examinations.

CMSA Project

The CMSA project “Strengthening Academic Medicine and Specialist Training” continues to make good progress. There have been engagements with the ministries of health, education and other stake holders. A key proposal will be that the funding and control of specialist training should be managed nationally rather than provincially.

Prof Bryan Kies
SECRETARY

COLLEGE OF NEURSurgeons

The annual meeting of the Neurosurgical College Council was held on 7 August 2009, in the J G van der Horst room at the Cape Town office of the CMSA. The following members were present: Prof H B Hartzenberg, Prof P Semple, Prof G Fieggen, Dr M du Trevou, Dr S Nadvi, Prof R Gopal, Dr N Fisher-Jeffes and Dr P L Lekgwara, acting head of Neurosurgery at Medunsa, who attended by invitation.

It was decided that Dr Lekgwara would be co-opted to the Council when he was appointed as Head of the Department at Medunsa.

The August – October 2009 Neurosurgery final examination was convened by Prof H B Hartzenberg at Tygerberg academic hospital. One candidate wrote the examination and passed.

The March – May 2010 clinical and oral examination was held in Bloemfontein, convened by Prof G Fieggen of the University of Cape Town and ably assisted by Dr D Hugo (acting Head of Neurosurgery at the University of the Free State). Out of the 6 candidates who wrote the examination, 4 were invited to do the clinical and oral examination and 3 successfully passed the examination. Our thanks go to Prof Fieggen and Dr Hugo and his staff for hosting the examination. Profs G Fieggen, R Gopal, H B Hartzenberg, M S M Mokgokong and P Semple, and Drs M D du Trevou and N Govender are thanked for their participation in the above examinations.
Dr N Fisher Jeffes has been the convenor of the neuro-anatomy part of the FCS primary examination for a number of years. He has been assisted by Dr J Ouma (Wits) and Dr E Kiratu (UKZN) over the past year. They are congratulated and thanked for their work in this regard.

The logbook became a requirement for the neurosurgery final examination in 2010 and is a matter that requires scrutiny, particularly in terms of who scrutinises it and how it should be used in assessing candidates for their readiness to practice as a specialist after obtaining the FC Neurosurg(SA).

The next Council meeting of the College of Neurosurgeons is scheduled to take place at the 21st Biennial Congress of the Society of Neurosurgeons in September 2010.

Prof Bennie Hartzenberg
PRESIDENT

COLLEGE OF NUCLEAR PHYSICIANS

The College of Nuclear Physicians is continuing to grow in terms of the number of Fellows. This will be of benefit to our training as well as expanding the pool of potential examiners. Coupled to this growth, CNP would like to appeal to the policy makers to expand nuclear medicine services and other disciplines to secondary hospitals/centres. Not only would this help with training of both medical students and specialists, it would most definitely be crucial to improving access to quality health care systems.

All departments are urged to remind registrars who have been enrolled from 2010 about the student portfolio which will be compulsory prior to being admitted for the FCNP(SA) Part II examination. Candidates are reminded to rotate in other departments in cases where there are limitations in their own institutions. Furthermore, with effect from the previous year, the Part II examination clinical cases may be reviewed on a workstation, to give the candidates the benefit of reporting as they are used to in the real work situation. We also wish to thank the examiners and fellows for the successful introduction of a moderator in the examination system; this will be beneficial in terms of quality and fairness.

CNP would also like to thank the CMSA for according smaller Colleges equal opportunity by appointing a CNP Senator to the important role of Honorary Registrar of the Examinations and Credentials Committee.

Prof Annare Ellmann
Prof Mike Sathekge
PRESIDENT
SECRETARY

COLLEGE OF OBSTETRICIANS AND GYNAECOLOGISTS

The Council of COG met twice in the report year, as always once per semester, organised by the Secretary Prof D W Steyn. Attendance at the meetings is very good.

The COG expresses its immense gratitude to colleagues who are prepared to serve the College and who have done so with distinction. The COG is fortunate to have in place a Part I examination committee (lead by Prof E Buchmann), a Part II examination committee (lead by Prof F Guidozzi) and a Diploma committee (lead by Dr C Stewart). Likewise, for the three subspecialties there are driving teams for each: (Fetomaternal - Profs J Anthony and D W Steyn; Gynaecologic Oncology - Profs B G Lindeque and G Dreyer and Reproductive Medicine - Profs Z M van der Spuy and T Kruger). All these committees report to the COG council. Not only are examinations planned in detail, but the curricula are revised continuously.

The COG offered the following examinations in the year of report:
FCOG(SA) Parts I and II
Dip Obst(SA)
Cert Gynaecol Oncol(SA)
Cert Fetomaternal Med(SA)
Cert Reprod Med(SA)

The COG is thus pleased to report that examinations for all subspecialties have now been implemented with successful candidates having received the relevant certificates.

COG once again took part in all the CMSA initiatives of the past year to improve the quality of the examination process. The portfolio system has been all but finalised for all exit examinations. CMSA Senate is attended by the President of the COG and by Prof J Bagratee.

Other activities of COG include the J C Coetzee programme. This sponsorship allows a year long programme of continuing education primarily aimed at general practitioners in towns and rural areas. Once again thanks are expressed to those colleagues who took part in the various J C Coetzee programmes.

The following kindly examined during the year under review:
August/September/October 2009
FCOG(SA) Part I
Prof G Dreyer (Convenor)
Prof S L Levin
Dr L Matsela
Dr T D Naidoo
Prof M J Matjila
Dr H van Zyl
Dr T Siebert
Dr PJ Swart
FCOG(SA) Part II
Prof T F Kruger (Convenor)
Dr M H Botha
Prof S J Dyer
Dr L Govender
Dr T Smith
Prof L C Snyman
Dr H M Sebitloane
Prof E J Buchmann (written only)
Prof D W Steyn (oral only)

Observers:
Dr G A Petro
Dr J A van Rensburg
Dr F H van der Merwe
COLLEGE OF OPHTHALMOLOGISTS

The College of Ophthalmologists enthusiastically supports the principle of a national unitary exit examination for all ophthalmologists trained in the Republic of South Africa. In order to ensure maximum participation towards this ideal, the Council now has wide representation from all the eight Faculties of Health Sciences in South Africa. Clearly the Ophthalmological Society of South Africa, the departments/divisions of Ophthalmology of the eight faculties of health sciences and the College of Ophthalmologists (CMSA) will mutually benefit from a high-quality working relationship as these entities share the goal of maintaining the best quality eye care possible for South Africans.

African Outreach

Outreach to countries on the African continent has been and is an important initiative of our College. Several Councillors in their institutional capacities have active ongoing outreach programs. Prof Colin Cook heads the Institute of Community Eye Health based at the University of Cape Town. This organisation, in conjunction with non-governmental agencies, promotes the quality of clinical and academic ophthalmology through a large part of sub-Saharan Africa and by offering training courses at the University of Cape Town.

Prof Polla Roux from the University of Pretoria is currently training three registrars from Rwanda, Tunisia and Cameroen. One Fellow in retinal surgery, sponsored by the non-governmental organisation Orbis, is from Ethiopia. Professor Roux personally also visited Gondar, Ethiopia and performed the first retinal surgery in that country during this period. Besides training a registrar from Namibia, the country was also visited on several occasions during the report period by Prof David Meyer, Stellenbosch University, where he performed complex subspecialty ophthalmic surgery on special cases at the State Hospital in Windhoek. During these visits academic activities include surgical and clinical skills transfer to local surgeons as well as full academic evening sessions with CME activity presented by Prof Meyer.

New Curriculum

The Council of the College of Ophthalmologists has recently received approval from the Examinations and Credentials Committee to adjust both the Fellowship and Diploma curricula. The guiding principle was parity with international colleges as well as ensuring a national uniform exit examination for specialists. The new regulations for the Fellowship examination will take effect 1 January 2011 and the new regulations for the Diploma are in effect for 2010 already. The most significant changes to the Fellowship curriculum are the following:

• Clearly indicated objectives, essential clinical experience, mandatory competence and desirable clinical experience for each of the sub-sections of the FC Ophth(SA) Part II syllabus.
• The introduction of an Intermediate Examination comprising two modules, one in Pathology and the other in Clinical Optics. During the practical examination of the latter a clinical refraction will form part of the assessment of the candidate.
• Support of the new HPCSA requirement of evidence of a completed postgraduate research project in the discipline prior to granting eligibility for registration as a specialist.
• A portfolio as a required document to be handed in at the final
examination for assessment by the examiners. The portfolio will contain a full record of all learning activities during the candidate's registrarship including surgical record, clinical rotations, outreach activities, academic lectures/workshops attended or presented, academic ward rounds attended, research/publications etc.

- Adjustment to the format of the examination whereby written examinations may consist of a combination of long essay type, short and MCQ type questions, with sub minimums of 50% in each section of the examination.

It was agreed by Council that the need existed for an annual national registrar meeting, with a view to grooming examination skills and hence improving the outcome of COphth(SA) examinations. Prof Juzer Surka from Walter Sisulu University was nominated to drive this process.

On a national level the College of Ophthalmologists is dedicated and geared to support all initiatives to achieve the goal of producing the best specialist ophthalmologists for all the people of South Africa.

Prof David Meyer  
PRESIDENT

COLLEGE OF ORTHOPAEDIC SURGEONS

The College Council holds regular meetings throughout the year, with an annual general meeting at the annual congress of the South African Orthopaedic Association in September.

There has in the past been concern regarding the high failure rate in the intermediate examination for the specialist degree. After consultation with the general surgeons it has been decided that the College of Orthopaedic Surgeons will conduct the examination, which will be in 2 parts. Part 1 will be intensive care treatment and principles of surgery, whereas part 2 will focus on principles of orthopaedic surgery. It is felt that a knowledge of general surgery is no longer necessary. The new guidelines have been handed to the College for publication on the website and have been in force since the last College examinations held in Bloemfontein.

Following past concern about the lack of awarding the Edelstein medal for overall excellence in the final orthopaedic examination, this medal was awarded to Dr T W Parker in 2009. Candidates will be identified during the 2010 examinations and the most successful candidate will be awarded the medal this year as well.

Professor B G P Lindeque delivered the Francois P Fouché lecture at the annual South African Orthopaedic Association (SAOA) congress in 2009. The lecture was of a high standard. The 2010 lecture is to be delivered by Professor C Duncan from Vancouver, Canada. He is an international expert on joint arthroplasty and we look forward to hearing his address.

Prof Anton Schepers  
PRESIDENT

COLLEGE OF OTORHINOLARYNGOLOGISTS

Office bearers at present:
President: Claassen A J
Secretary: Fagan J J

Representatives CMSA Senate:
Claassen A J
Ramages L J

Other Council Members:
Davidge-Pitts K J
Joseph C A
Loock J W
Modi P C
Seedat R Y
Tshifularo M I
Wagenfeld D J H

The examination curriculum and regulations were revised during the past year at a special meeting held in Cape Town.

The new Primary Examination is now well established and running. It is very much a discipline orientated examination.

In addition to the above, the College of Otorhinolaryngologists had a look at what minimal standards for post-graduate training should be. This was of extreme importance to secure standards for the future. A document to this effect was compiled, with thanks to Prof Johan Fagan.

The College of Otorhinolaryngologists have been functioning satisfactorily with regard to the present needs of the discipline. Members of Council have the same interests at heart and work together in achieving what is regarded as best for Otorhinolaryngology and Head and Neck Surgery.

Prof André Claassen  
PRESIDENT

COLLEGE OF PAEDIATRICIANS

There are two main activities to report on for this period.

Certificate (sub-specialty) examinations

A considerable effort was expended this year on ensuring uniformity in standards, requirements and assessment techniques for the ten Certificate examinations offered by the College of Paediatricians. This work has been spearheaded by the College’s Certificate working group, led by Prof Robin Green. Revised guidelines now exist for all Certificate examinations and candidates will encounter the new assessment and examination system in March 2011. The revised guidelines, curricula and details about examinations are available on the CMSA web site (from August 2010).

Global Paediatrician initiative

The College of Paediatricians has joined 17 other Colleges internationally in an alliance to explore ways in which child healthcare can be transformed by improving the quality of training and assessment of paediatricians. The Global Pediatric Education Consortium (GPEC) includes leaders from education, assessment and standard-setting bodies from resource rich and poor countries. During the past year, the GPEC have been engaged in a process to define, develop and implement a standard approach to postgraduate training and assessment in general paediatrics. Members of the GPEC strongly believe that improved training in paediatrics and child health will inevitably lead to improved care of children worldwide.
The GPEC has convened two Global Pediatric Summits over the past 18 months; both held in Frankfurt, Germany. The College of Paediatricians (CMSA) was represented Prof Haroon Saloojee. The group reached consensus on its common vision and mission. The consortium agreed to collaborate in drafting a standard curriculum for postgraduate training in general paediatrics. This curriculum will embody the core elements that are representative of physician competency and inclusive of worldwide best practices. The foundation of the curriculum will be a competency-based framework, with an emphasis on formative and summative assessments to ensure high-quality training. The College of Paediatricians is committed to contributing to this process as it develops.

I wish to thank the CMSA staff at all three regional centres for the fantastic support they offer the College in the various activities we undertake.

Prof Haroon Saloojee
PRESIDENT

COLLEGE OF PATHOLOGISTS

The College of Pathologists continues to offer seven different Fellowship examinations and a certificate examination in the various disciplines of pathology. The challenge remains the relatively small examiner pool. The Council has made a concerted effort to induct new faces into the examiners pool in the form of observers and new examiners and will strive to continue doing so in future.

The core business of examining has been successful with each discipline maintaining the high standard of examination synonymous with the CMSA.

All portfolios are in place, with the clinical pathology portfolio just having being finalised. Curriculum review is underway with only clinical pathology lagging behind. As we move towards a unitary examination the executive believes that the pathology disciplines are well placed to meet the challenges of conducting a unitary examination, whilst the HPCSA-required research component necessary for registration will remain the responsibility of the universities and the university departments of pathology.

The executive has begun forging more formal links with the Royal College of Pathologists (UK) and a draft memorandum of understanding (MOU) with the RCPPath has been submitted to their executive for discussion. A memorandum of understanding with the West African College of Pathologists awaits finalisation, having been referred back to them for approval. It is probable that similar MOUs will be drawn up with colleges in East Africa, particularly as COPECSA comes into being formally.

The annual meeting of the international Liaison committee of Presidents of Colleges of Pathology (ILCP) will be held in the first week of September in Hong Kong and will be hosted by the College of Pathologists of Hong Kong. This provides a further vehicle for interaction with colleagues from the Colleges of Pathology of most major English speaking countries.

We wish to thank the administrative staff of the CMSA, particularly Mrs Bernise Bothma, the CEO and Mrs Ann Vorster, the Academic registrar and all their dedicated staff for their tireless work and efficiency in running the College and the examinations respectively, as well as the councillors of the College of Pathologists and all convenors and examiners for their hard work and support during the past year.

Finally we thank Professor Zephne van der Spuy for all the hard work she has done on behalf of the Colleges over the past three years as President of the CMSA and welcome Prof Anil Madaree as the new president of the CMSA.

Prof Simon Nayler
PRESIDENT

Prof Johnny Mahlangu
SECRETARY

COLLEGE OF PHYSICIANS

The main activities of the period under review were (1) the reform of the format of the FCP(SA) Part I examination; (2) the appointment of Arthur Landau Lecturers for 2010/2011 and (3) the planning of the Joint Conference of the Royal College of Physicians of London and the College of Physicians of South Africa which will take place in Cape Town in March 2011.

A workshop with 16 participants representing all the medical schools was held in August 2009 and a subsequent meeting was held on Sunday 11 October 2009 to develop a bank of MCQs for the FCP(SA) Part I examination. Questions for the first paper will be finalised by the end of May 2010. The new MCQ format of the FCP(SA) Part I examination will be implemented in August 2011 under the guidance of the Education Sub-committee.

The 2010 Arthur Landau Lecturer is Professor Sarala Naicker (Johannesburg) who will be delivering the lecture in Pretoria, Johannesburg, Mthatha and Bloemfontein. The process of the nomination of the Arthur Landau Lecturer continues to involve all Fellows and Diplomates of the College of Physicians. A large number of nominations were received for the 2011 Arthur Landau Lecturer and the Councillors of the College of Physicians have voted for Professor Yosuf Veriava from Johannesburg as the 2011 Arthur Landau Lecturer.

Professor Willie Mollentze of the Department of Internal Medicine at the University of Free State is acting as the convenor of the Joint Royal College of Physicians of London and the College of Physicians of South Africa Conference which will be held in Cape Town from 11-13 March 2011. Other members of the Organising Committee are Professor Janet Seggie (Africa Representative of the Royal College of Physicians of London), Professor Bryan Kies and Professor Marc Blockman, all from the University of Cape Town. The first draft of the programme has been drawn up and a request for further input from Heads of Department of Medicine in other institutions is awaited. I also had an opportunity to discuss the meeting with the representatives of the International Office of the Royal College of Physicians during my recent visit to London. I will give detailed feedback on this meeting to the Organising Committee at its next meeting.

The College of Physicians is in good financial health. The balance of the levy account in March 2010 was R191,073.90 (R241,000 in March 2009).

Prof Bongani M Mayosi
PRESIDENT
COLLEGE OF PLASTIC SURGEONS

The AGM of the College of Plastic Surgeons (C PLAST) was held on 17 October at the CSIR, Pretoria.

At the meeting Prof Anil Madaree was congratulated on being the first Plastic Surgeon to be elected President of the CMSA. Prof Madaree acted as secretary of C PLAST, but Dr Roger Nicholson was elected as the new secretary and also as the second representative of the C PLAST on the CMSA Senate. Dr G Morrison, Dr M Pillay and Dr C Snijman would remain as elected representatives for the remainder of the current triennium of office.

Traditionally the CMSA has only been an examining body in the past. In line with new initiatives by the CMSA, the C PLAST has decided to promote education to try and improve a below average pass rate in the discipline (+/-30% pass rate). Support and encouragement is being given to two training centres without permanent heads and one not active enough in educational matters. The University of Pretoria has taken a first initiative in organising a national flap dissection course. Registrar symposia are now routinely organised on an annual basis, and have proved to be a tremendous success.

There is a general feeling within the C PLAST that the changes to the FC Plast(SA) implemented over the last year have been well received. The current format now provides a more balanced assessment of the candidate’s knowledge. Of the 11 candidates to participate in the FC Plast(SA) examination in the last year, 4 passed.

Keeping of logbooks became compulsory in 2010. The Educational Subcommittee of ASSAPS will be meeting in October to review sample logbooks from the various teaching departments.

Prof Piet Coetzee Dr Roger Nicholson
PRESIDENT SECRETARY

COLLEGE OF PSYCHIATRISTS

Examination

A significant change occurred in the examination format for the March/May examinations in that the Part II Clinical Neurology examination part was replaced by an OSCE. The first run of the OSCE took place at the October examinations in Bloemfontein. This went off without a hitch, with thanks to the examination convenor. The reports from the candidates have been very positive and it looks like the College is on the right track.

Workshops

An examiners and candidates workshop was held in Johannesburg on 20 March 2010. The workshop was attended by approximately 65 delegates from all Departments of Psychiatry. Topics discussed ranged from examination presentation techniques to the format of the Neuropsychiatry OSCE that was implemented for the first time during the May 2010 examinations in Bloemfontein. The workshop also included a refresher course on important new developments in the field of Psychiatry. Attendees gave very positive feedback and the Council have decided to host the workshop on an annual basis.

Psychotherapy logbook

The task team has done a good job in making the logbook user-friendly. It will be on the website soon.

Subspecialities

The proposals for Consultation-liaison Psychiatry were sent back by the HPCSA Postgraduate Committee with a few suggestions. These have been attended to and will be resubmitted. The subspecialty Addiction Psychiatry was also sent back. It will be resubmitted soon with a letter of support from the Department of Health.

It is with great sadness that we report the passing of Professor Alan Flisher on 18 April 2010. He was an active and useful member of the College. We extend condolences to his family and friends. May his soul rest in peace.

Prof Dan Mkize
PRESIDENT

COLLEGE OF PUBLIC HEALTH MEDICINE
(Including occupational medicine)

For the triennium 2008 to 2011, the Council is as follows:

President: Naidoo S (Wits)
Secretary: Knight S E (Ukzn)

Representatives on the CMSA Senate:
Naidoo S (Wits)
Kistnasamy M B (Ukzn)

Other Members of the Council:
Cameron N A (Us)
Coetzee D J (Uct)
Ehrlich R I (Uct)
Kawonga M (Wits)
Kistnasamy M B (Ukzn)
Louwagie G M C (Up)
Moorman J M (Wits)
Naidoo S (Ukzn)
Jeebhay M F (Uct)
Kruger W J (Fs)

The Council has focussed on consolidating the regulations and guidelines in anticipation of introducing new regulations by next year. We will be assisted by the President of the UK Faculty of Public Health, Professor Alan Maryon-Davis, who is visiting in October 2010 and will be awarded an Honorary Fellowship by our College.

The College implemented the new registrar portfolios in both Public Health Medicine and Occupational Medicine in January 2010, applicable to all new registrars in training.

The Fellowship in Occupational Medicine has now been gazetted as a formal qualification by the HPCSA.

The College also welcomed the following Associates to its ranks and know that they will assist in its work: Dr A P Ryan for Occupational Medicine and Drs Dr J R Moodley and N R van Zyl for Public Health Medicine.

The Occupational Medicine Division has a strategy in place to broaden the pool of examiners and is also planning to get institutions involved in academic training together to review and update the current College regulations and portfolio requirements.
The College also welcomed the following Fellows:

October 2009

**Public Health Medicine**
Mametja, Selaelo Mabu Sara
Rajaram, Sinola Karishma
Senkubuge, Flavia
Vundle, Ziyanda
Zungu, Laschenov Muzimkhulu

**Occupational Medicine**
Knight, David
Williams, Haidee Maxine

May 2010

**Public Health Medicine**
Jassat, Waasila
Mahomed, Saajida
Moodley, Saiendhra Vasudevan
Rose, André Stanford
Timothy, Geraldine Antoinette

**Occupational Medicine**
Govender, Nadira
Kgalamono, Spoponki Mamohap Alina

Prof Shan Naidoo
PRESIDENT

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**COLLEGE OF RADIOLOGISTS**

We report the highlights of the year, as follows.

Dr Savvas Andronikou, immediate past President, participated in examinations of the Royal College of Radiologists for the purpose of benchmarking standards and exploring their utilisation of computer technology in examinations. He reported that the standards of the College of Radiologists (CMSA) and the Royal College were more or less compatible. Regarding examination techniques, the Royal College uses electronic long cases, done centrally on computer work stations. They also use a formatted answering sheet and marking for these long cases. Dr Andronikou’s report was discussed by the Council and agreement was reached that the C RAD should work towards an examination with electronic long cases, with reporting being done from computer work stations.

The format of the Part I examination has changed in order to utilise computer technology and for the candidates to write the examination as medical officers.

Most of the training units are now represented on the Council.

Dr Andronikou unfortunately resigned as President of the C RAD due to work pressure and Prof Coert de Vries was elected as President and representative on the CMSA Senate for the remainder of the current term of office.

Prof C S de Vries
PRESIDENT

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**COLLEGE OF SURGEONS**

It is a well known fact that change is inevitable. It has also been said that the more things change, the more they stay the same. Thus, within the College of Surgeons we are constantly reviewing our core business, which is the examination and assessment of postgraduate trainees in general surgery and the various surgical subspecialties.

The syllabi for the FCS(SA) Primary, Intermediate and Final examinations were reviewed several years ago and are now well established. Professor Damon Bizos, the convenor for the Primary examination, together with representation from each of the Academic Departments of Surgery, is constantly involved in the process of reviewing and expanding the bank of MCQ questions for the FCS(SA) Primary.

We have clearly identified the need to revise the format of the FCS(SA) Intermediate examination. The motivation for this change has been the major increase in the number of candidates writing the examination, which in recent years has become a logistical challenge. In addition, the existing format, which involves essay questions, is out-dated. A sub-committee is currently looking at this.

The assessment of the Logbook remains another unresolved issue. Although it has been compulsory to maintain and submit the Logbook for the FCS(SA) Final examination, the process of the assessment of the Logbook still needs to be developed. This is obviously extremely important in view of the requirement from the HPCSA for the implementation of formative assessment. A sub-committee is currently looking at the assessment of the Logbook.
The HPCSA will also require a research component as part of the final assessment of specialists in training. Our College took the decision several years ago to include the completion of a research dissertation as part of the requirements to write the FCS(SA) Final examination. This has now been added to the regulations and will be implemented in 2012.

The College has in recent years formalised its relationship with the Association of Surgeons of South Africa. It is proposed that the College will function as the academic arm of the Association.

Prof Del Kahn
PRESIDENT

COLLEGE OF UROLOGISTS

A meeting of the Council and the Panel of Examiners of the College of Urologists took place in Bloemfontein on 9 May 2010. The minutes of this meeting were taken by Prof S Wentzel, who served as Secretary in the absence of Prof M Haffejee.

It was agreed that the Urology Registrar’s Portfolio of Learning, which Prof Wentzel had adapted from the template provided by the CMSA, would be implemented for registrars starting in 2011, and would become a requirement for examinations from March/May 2014. Until that time the current logbook would be applicable.

Portfolios have to be submitted 3 months before the written part of the examination. The convener will review the portfolios, identify those possibly not acceptable and circulate them to the other examiners for a final decision. If the portfolio is not acceptable, the candidate will not be allowed to sit for the written examination.

There was extensive discussion of the issues related to research as a component of postgraduate specialist training. It was decided to submit amendments to the regulations for approval by the CMSA Senate, stipulating that a research project according to the rules and requirements of the training university should be submitted before the candidate would be allowed to sit for the written part of the Final examination. The FC Urol(SA) would only be awarded after approval of the research project by the training institution. This requirement would be implemented for examinations as from March/May 2015.

With regard to reciprocity of other qualifications allowing entry to the Final, it was agreed that candidates who had passed the MMed Intermediate at a university could apply for exemption from the College Intermediate, i.e. be allowed to enter the Final directly.

With regard to the required training period, it was agreed that there should be at least 3 years of training in a Urology registrar post after completion of the Intermediate. The consensus decision was that candidates could take the Final examination of the FC Urol(SA) after 2½ years of the required 3 years of urology training, but that this should exclude time spent in Urology used as part of the 18 months submitted for admission to the Intermediate examination.

There was extensive discussion of the issues related to the number of registrar posts funded by the different provincial departments of health and recognised by the HPCSA, relative to the number of consultants and clinical training facilities. There was also considerable discussion of the potential problems posed by the appointment of disproportionately large numbers of supernumerary registrars, who inevitably compete with other registrars for training opportunities.

Previous correspondence with the HPCSA indicated that the Council regarded the allocation and recognition of new registrar posts as an internal matter between itself and the relevant province and university, and that consultation with the College of Urologists (CMSA) or the Urological Association was not necessary.

The consensus of the meeting was that this lack of consultation with important stakeholders in the training of urologists was regrettable, and that unilateral decisions taken at provincial rather than national level might lead to difficulties in providing adequate registrar training. This opened the possibility that the Council of the College of Urologists could recommend to the CMSA Senate that certain registrar posts not be recognised with regard to admission of candidates to the FC Urol(SA) Final.

With regard to the proposal from the HPCSA that the consultant:registrar ratio (currently 1:2) be changed to 1:3, it was pointed out that this would relieve funding authorities from the obligation to create additional consultant posts (and expand training facilities) to train increased numbers of registrars. This would certainly have adverse effects on the standard of training. There was general agreement that the current requirement for a consultant:registrar ratio of 1:2 should remain in force with regard to urology training.

With regard to candidates who wished to take the FC Urol(SA) Final but had not completed training in a urology post registered with the HPCSA, it was decided that the current regulation should be retained which permitted the Council of the College of Urologists to allow this, based on the merits of each individual applicant, supported by his/her Head of Department.

It was agreed that applications to the HPCSA for specialist registration of doctors with qualifications obtained outside South Africa should be submitted to the Council of the College of Urologists for approval to enter the FC Urol(SA) Final. In principle, a candidate would be allowed only if he/she had fulfilled all the criteria required of any other candidate (logbook or portfolio, dissertation, etc).

The College of Urologists remains extremely grateful to those Fellows of the College who have contributed to its activities during the past year, sacrificing much of their valuable time to serve as examiners or as members of the Council. Improving the standards of urological training in South Africa relies on the sustained efforts of full-time specialists at academic centres, as well as the goodwill of colleagues in private practice who contribute their valuable time and expertise to the training and examination of the young urologists of the future.

Prof C F Heyns
PRESIDENT

Prof S W Wentzel
SECRETARY
Factors predisposing to obesity: a review of the literature

Ali AT, PhD
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Keywords: obesity, caloric intake, genetic factors, evolution

Abstract
The rising prevalence of obesity is a worldwide problem affecting not only the developed world but also developing nations such as South Africa. Excess body fat deposition is caused by an imbalance between energy intake and energy expenditure and there are many genetic and environmental factors that can influence this balance. The present article will describe these factors and discuss the complex interaction between the environment and the human genome that may underlie the current obesity epidemic.

Introduction
A famous ancient proverb states: eat breakfast like a king, lunch like an ordinary person, and your dinner like a beggar. These words of wisdom have long been discarded. Modern life has brought with it more food with high caloric density and better taste. New technology has made life easier and less active, and the result is a worldwide epidemic of obesity and its associated disorders. Obesity involves both increased fat cell size and number and occurs when energy intake is greater than energy expenditure. This balance between energy input and energy output can be affected by many factors including the quality and quantity of dietary intake, environmental and genetic inputs and physiological and psychological status.

Obesity is a common and serious medical problem all over the world and South Africa is one of the developing countries that has been most affected by the current obesity epidemic. One of the possible reasons for the rise in prevalence of obesity in South Africa is the migration of populations from rural to urban areas, which has been shown to be associated with significant lifestyle changes particularly the increased availability and therefore consumption of calorie dense, fatty food. Within South Africa older women (age range 45–54 years) have a significantly higher level of obesity (mean BMI of 29.4 ± 0.27) than their younger counterparts (age range 15–24 years, mean BMI of 23.4 ± 0.13) with middle-aged, urban African females having the highest prevalence of obesity.

Obesity is not only a problem found in the adult population but is also occurring at an increased frequency in children in both the developed and the developing world. Thus, a national survey among South African school children showed that the prevalence of overweight in black, female students was 20.9% compared to 4.2% in males. This study also noted that white males were heavier than males of other races while black and white females were heavier than coloured females. In general, young females were heavier than young males and among black teenagers these differences were attributed to overeating in females compared with undereating in males, in whom the prevalence of underweight (17% compared to 3.9% in black females) was higher than in all other groups. It can therefore be seen that within all age groups in South Africa there are gender and ethnicity related differences in the prevalence of obesity (see Table I). These differences are probably a result of cultural, socio-economic and genetic factors which also underlie the worldwide obesity epidemic. This review will address all these influences with an emphasis on the most recent literature.

Table I: The prevalence of obesity in male and female adolescents and adults in different South African ethnic groups

<table>
<thead>
<tr>
<th>Ethnic group</th>
<th>Age 13–19 years*</th>
<th>Age 15–95 years**</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Male</td>
<td>Female</td>
</tr>
<tr>
<td>African</td>
<td>1.9</td>
<td>5.3</td>
</tr>
<tr>
<td>European</td>
<td>4.8</td>
<td>7.7</td>
</tr>
<tr>
<td>Coloured</td>
<td>2.8</td>
<td>3.8</td>
</tr>
<tr>
<td>Indian</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

Data given as % values. *Data taken from reference number 6. **Data taken from reference number 4

Caloric intake
Food intake can be affected by many factors, including the price, portion size, taste, variety, and accessibility of foods. The method by which the food is prepared is also important. There are also strong cultural influences on the types of food consumed with some societies abstaining from particular types of food or only eating food if it has been prepared in a specific manner.

A high fat diet enriched with saturated fatty acids is the common diet in developed countries whilst in poorer countries the majority of people derive their calories from a vegetarian diet. Diet may affect
body weight by controlling satiety and metabolic efficiency, or by modulating insulin secretion and action.4 Thus, the calorie dense diet common in the western world may predispose to obesity via elevated postprandial insulin levels resulting from the high carbohydrate intake which leads to increased triglyceride storage in the adipose tissue depots.10 High insulin levels may also provoke a vicious metabolic cycle. Insulin induces hunger by depleting the glucose levels of the blood, and this promotes further food intake which leads to greater insulin secretion. Ultimately, this cycle will lead to weight gain and chronic hyperinsulinaemia.11,12 It has also been observed that obese subjects have an increased preference for fatty foods13 which will also enhance insulin output and triglyceride storage.

The modern diet of developed and developing countries contains more fat and considerably less fibre than the recommended levels. Thus, in one large epidemiological study, fat constituted 37.8% of the total energy intake compared to a recommended level of < 30.0%, whilst fibre intake was 8.6g/100kcal per day compared to a recommended intake of 14g/1000 kcal.14 Studies have shown that food containing saturated fat results in greater weight gain compared to food containing unsaturated fatty acids.15,16 Fatty acids activate peroxisome proliferator-activated receptors delta and gamma (PPAR δ, PPAR γ), which promote adipogenesis, and expansion of adipose tissue depots.17 Epidemiological studies have confirmed the positive correlation between a high-fat diet and the development of obesity.18,19

Socio-economic status and level of education

Obesity is a common feature in migrants, where a population with a common genetic heritage live under new socio-economic and cultural conditions. Pima Indians, who live in the USA, are on average 25 kg heavier than Pima Indians who live in Mexico.20 Migration of Asian-Indians21 and Australian Aboriginals22 from rural areas to an urban environment brings with it an increased risk of obesity.23,24 with lower socio-economic status (SES) on the prevalence of obesity may be mediated by low income which will limit the availability of the more healthy food options.

In many populations the level of education is inversely associated with obesity especially in women.23,27 while husbands’ education was found to be correlated negatively with the prevalence of obesity in their wives.27 Conversely, in a national obesity survey in South Africa, a multivariate regression analysis demonstrated that women with greater than 12 years of education had higher BMIs than women with 1–12 years of education (p < 0.0001). A possible explanation for this phenomenon is that women in the latter group tend to perform higher levels of manual labour than the more educated women.4

Genetic factors

Genetic factors may act as determinants of BMI by affecting energy balance. More than 300 genes, markers, and chromosomal regions have been found to be associated with various human obesity phenotypes28 and it has been estimated that 30–70% of the variance in BMI in humans can be explained by genetic factors.29

The first monogenic human obesity syndrome, congenital leptin deficiency was reported in 1997.20 The discovery of the leptin gene has dramatically changed our understanding of the role that adipose tissue plays in the regulation of energy balance and appetite.21 Leptin acts within the arcuate nucleus of the hypothalamus to decrease the expression of orexigenic signals and increase the levels of anorexigenic signals and thus reduce food intake.21 A number of other forms of monogenic obesity have been discovered and each of the affected genes has been shown to be expressed in the hypothalamus and to play a part in the control of appetite.22 However, these gene mutations explain only a very small proportion of cases of human obesity. The common form of obesity is a polygenic disease and it is thought that each of the polymorphisms involved contributes in only a small way to the phenotype and this may explain why it has been very difficult to unravel the genetic aetiology of human obesity. However, recent advances in gene screening techniques have allowed geneticists to perform high throughput, whole genome analyses and uncover a number of new gene loci that may play a part in causing increased adipose tissue deposition. Most of these genes are thought to be expressed in the CNS and to be involved in controlling food intake.23 The genetic variant with the strongest association to the polygenic form of obesity lies close to the FTO (fat mass and obesity associated) gene.24 This association has been confirmed in a number of large population studies, however the exact function of the FTO gene remains a mystery although expression studies have demonstrated that this gene is expressed in a wide range of tissues with high expression in the brain.25

Factors acting early in life, and during puberty, pregnancy and aging

In both genders rapid weight gain during infancy is an important risk factor for later obesity. Thus, children who showed rapid weight gain or catch-up growth between zero and two years of age have higher measures of adiposity at five years of age than children who did not undergo catch-up growth.26 It is known that BMI falls in neonatal life and then increases in infancy. This increase in adipose tissue mass is known as adiposity rebound and children who experience adiposity rebound at an earlier age have a greater chance of being obese in adulthood.26 Studies have also shown that the relationship between birthweight and adult obesity is U-shaped with low birthweight being associated with increased measures of adult abdominal fat deposition whilst high birthweight is associated with higher adult levels of overall body adiposity.27

Females have a higher prevalence of obesity than males and it has been suggested that this may be related to gender differences in the brain’s response to hunger and satiety.28 Furthermore, factors acting during puberty have been shown to influence the risk of obesity in females. Thus, a longitudinal growth study performed in Finland demonstrated that at the age of 31 the prevalence of obesity in females who reached menarche before the age of 11 was 15%
compared to 4% in those who reached menarche after 15 years of age. The reason for this may be that fat accumulation during childhood increases the chances of early menarche or that girls with early sexual maturation have a longer period of positive energy balance.

A number of studies have shown that a positive relationship exists between gestational weight gain and postpartum weight retention. However, the level to which weight is retained after parturition differs across societies. It has been demonstrated that American and Swedish women retained between 1.5 and 3.0 kg twelve months after delivery, whilst in Brazilian females, 20% of mothers retained more than 7.5 kg nine months after delivery. Another study showed that black women were twice as likely (odds ratio, 2.2 and 95% CIs of 1.5–3.2) as white women to retain more than 20 lb in weight postpartum, despite comparable weight gain during pregnancy.

Body adiposity increases with age. This is because as people grow older their metabolic rate falls and energy expenditure decreases. Thus, older subjects do not require as many calories to maintain their body weight. If caloric intake remains constant or increases they will therefore gain weight. Men require more calories to maintain their body weight, because they have a higher resting metabolic rate than women. In postmenopausal women, obesity is a result of decreased metabolic rate and alterations in ovarian hormones, which accelerates the age-related increase in body fatness and decreases energy expenditure. Thus, women have a higher BMI than men, especially after the age of 50 years.

**Psychological factors**

Psychological status can influence eating habits, because most people eat in response to negative emotions. Stress for example, not only increases consumption of food but also shifts consumption toward high calorific foods that are normally avoided. It is thought that the effect of stress on food intake is mediated via increased adrenal glucocorticoid (GC) output. Chronically elevated GC levels can give rise to increased intake of ‘comfort foods’ which in turn leads to abdominal obesity. This hypothesis has been developed and tested successfully in rodent models, however more studies are required in humans to confirm its validity.

Depression and some neurological problems can also promote overeating which will ultimately lead to increased fat accumulation. A number of studies have shown a higher prevalence of borderline personality disorder in obese patients (ranging from 1.1 to 30.4%) compared to the general population (prevalence of 2%). Such data suggests that psychopathology may have an impact on weight loss and weight maintenance, and may be an important factor that should be considered when devising intervention strategies in obese subjects. It is also noteworthy that one study has shown a higher prevalence of suicides in subjects following bariatric surgery (15 suicides out of 7 925 subjects) when compared to a control group of untreated, obese subjects (5 suicides out of 7 925 subjects). This suggests that psychological disorders may be present in morbidly obese subjects and that these are not attenuated by surgical intervention. It has therefore been suggested that patients undergoing bariatric surgery are assessed for psychological disorders before treatment and are monitored after surgery.

Studies conducted on families of patients with morbid obesity have suggested that anomalous eating habits of families, parental conflicts and parents’ psychopathology may influence weight gain in children. Familial influences on childhood obesity differ according to the gender of both the parent and child. Dysfunctional patterns in these families which lead to overeating include regressive coping styles such as stress eating, lack of self-esteem, unsatisfactory personal relationships, and stigmatisation of the obese individuals.

**Other factors**

The aetiology of obesity is obviously multi-factorial. The current article has discussed those factors that have received the majority of attention in the scientific literature but there are others that have received far less attention but may still be important. These factors have been the subject of a recent review and therefore they will only be briefly discussed here.

**Sleep duration:** It has been shown in human studies that BMI is inversely correlated with sleep duration.

**Smoking:** A number of investigations have clearly shown that smokers are less obese than non-smokers and that cessation of smoking leads to weight gain.

**Pharmaceuticals:** A number of drug types lead to increased weight gain and these include antidepressants (e.g. serotonin re-uptake inhibitors), contraceptives, corticosteroids, antidiabetic agents (e.g. insulin, sulphonylureas and thiazolidinediones) and medications used for treating hypertension (e.g. beta adrenergic receptor antagonists).

**Maternal age:** Studies in humans and animals have shown that there is a positive correlation between maternal age at birth and BMI of the resulting offspring. Thus, one study has shown that for every five year increase in maternal age, the risk of obesity in the offspring increases by 14.4%.

**Increased life expectancy:** BMI is known to increase with age and therefore as life expectancy for humans increases the relative frequency of older individuals within the population will increase and hence so will the prevalence of obesity.

**Endocrine disruptors:** These agents are by-products of industrial processes and leak into the environment and hence into the food chain. These molecules are able to elicit endocrine responses and include agents that have oestrogen-like effects (e.g. vinclozolin and bisphenol A) and also substances that are able to activate adipogenesis via interaction with transcription factors.

**Environmental temperature:** The advent of air conditioners has meant that humans spend less time in temperatures outside the thermoneutral zone (TNZ). The TNZ is the range of temperatures over which changes in metabolic rate are not required to maintain normal body temperature. Once a person leaves the TNZ, energy expenditure will increase in an attempt to maintain body temperature at the required level. Thus, in humans who are constantly within the TNZ, energy expenditure is reduced and this predisposes to weight gain at lower levels of energy intake when compared to subjects who do not spend large periods of time within the TNZ.
Reproductive fitness: The BMI of parents has been shown to be positively related to increased number of offspring for both mothers and fathers. Therefore, because of the strong genetic component to BMI this will lead to increased transmission of obeesogenic gene variants.

Conclusions

Obesity is a multi-factorial disorder with major contribution from the environment and the genome. The maintenance of a large number of genetic variants within the genome that give rise to increased adipose tissue mass may be explained by the process of natural selection. It has been hypothesised that during human evolution there was selection for any genotype that favours energy storage because this would enhance survival during periods of famine. Famine is known to be an important and consistent occurrence during the evolution of the human species. However, this genotype is only advantageous under conditions of food scarcity and is deleterious in conditions where food availability is high and energy expenditure is low i.e. the prevailing environment! Thus, obesity is the result of an unfavourable interaction between our current environment and our ancient genome. The process of natural selection is not fast enough to modify our genome in response to rapid changes in environmental conditions. This genomic inertia has led to many mass extinction events during the life course of planet Earth. The only solution to the problem of the obesity epidemic is therefore a rapid change in environmental conditions to better match our present genetic make-up. Such changes must occur at the individual level and be encouraged by changes at the population level. However, societal inertia is a major stumbling block and it is therefore possible that the ultimate demise of the human species will be the result of a clash between a highly evolved genome, sculpted by millennia of fine tuning and a human-built, change-resistant environment crudely cobbled into existence over many decades.

References

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     - 1.1.2 Rows of shields separated by silver-grey stripes ................................ R 100
     - 1.1.3 Wildlife ......................................................................................... R 100
   - 1.2 Silk material in navy only, in design 1.2 ................................................. R 180

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    - 10.2 Fellows ties in navy with rows of Shields, separated by gold stripes ................................... R 110
    - 10.3 Wildlife ties ......................................................................................... R 110
    - 10.4 Ladies scarves (long) (wildlife) in soft fabric ........................................ R 130
    - 10.5 Purse in leather, with wildlife material inlay ........................................ R 300
    - 10.6 Royal blue, baked enamel insignia with crest in colour:
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        - 10.6.2 Cuff-links (square) .................................................................... R 60
        - 10.6.3 Key rings (oval) ......................................................................... R 50

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<table>
<thead>
<tr>
<th>Title</th>
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| Delivery address: | |
|-------------------| |
| Tel: | Date: / / |

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Enclosed please find my cheque/postal order for R .......................... .00 (including p&p) OR Debit my Visa/Mastercard: ☑

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Card Number: 
Expiry Date: / CPD Number: |
Amount: R .......................... .00 (including p&p)

Signature: __________________________

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Introduction

Clinicians mostly do not treat all members of the ‘lipid family’ with the equal respect they deserve. Triglycerides often find themselves in the role of the neglected and ignored stepsister while all attention is lavished on the ‘evil’ sister, cholesterol. Triglyceride metabolism is, however, ignored at the clinician’s peril, as severe hypertriglyceridaemia can trigger potentially fatal acute pancreatitis. Less marked elevations of plasma triglycerides (TG) may also be deleterious by independently raising the risk for cardiovascular disease. Partially metabolised triglyceride-rich lipoproteins (TGRL) (remnants) are among the most atherogenic lipoproteins. In addition, hypertriglyceridaemia often associates with other cardiovascular risk factors such as obesity, Type II diabetes, inflammation and a pro-thrombotic state.1-2 This article reviews hypertriglyceridaemia and focuses on severe hypertriglyceridaemia (TG > 10–15 mmol/L) and recent advances in the genetics of hypertriglyceridaemia.

Being members of the ‘lipid family’, both cholesterol and TGs are insoluble in plasma and are packaged in lipoproteins for plasma export. Although lipoproteins may vary markedly in size and composition (e.g. from triglyceride-rich to cholesterol-rich), no lipoprotein exclusively transports a single lipid type. Triglyceride and cholesterol metabolism are thus intertwined and should not be considered separately, but viewed from the perspective of lipoprotein metabolism.

Triglyceride-rich lipoprotein metabolism

Plasma TGs derive from two main sources: exogenous (uptake from dietary fat) and endogenous (hepatic synthesis). Following digestion and absorption, dietary fat is packaged into chylomicrons, which enter the circulation via the lymphatic system. Excess chylomicrons (hyperchylomicronaemia) cause turbid or even milky (lipaemia) plasma. Following a meal, up to 90% of plasma TGs are found in chylomicrons. The liver exports TGs (from endogenous synthesis or derived from uptake of chylomicrons) mainly as very low-density lipoproteins (VLDLs). In healthy individuals there should be no circulating chylomicrons following a 12-hour fast, and the bulk of TGs is found in VLDLs. The liver exports TGs (from endogenous synthesis or derived from uptake of chylomicrons) mainly as very low-density lipoproteins (VLDLs). In healthy individuals there should be no circulating chylomicrons following a 12-hour fast, and the bulk of TGs is found in VLDLs. VLDL particles may be subdivided into large, triglyceride-rich VLDL1 and smaller, less triglyceride-enriched VLDL2. Although triglyceride is the major lipid constituent of chylomicrons and VLDL, both these lipoproteins do contain cholesterol, and accumulation of TGRL may elevate the total cholesterol very substantially.

Chylomicrons are normally rapidly cleared from the circulation following partial hydrolysis of their triglyceride content by lipoprotein lipase (LPL), an enzyme found mainly in the capillaries of adipose and muscle tissue. The resulting chylomicron remnants are cleared from the circulation by hepatic uptake via apolipoproteinE (apoE) mediated binding. The triglyceride content of VLDL is also partially hydrolysed by LPL. The resultant VLDL-remnants can either be hepatically cleared via apoE or undergo further modification to form low-density lipoproteins (LDL).
LPL activity is regulated at multiple levels. At the genetic level, peroxisome proliferator-activated receptor γ (PPARγ) upregulates adipose tissue LPL, while liver LPL is upregulated by PPARα and liver X receptor (LXR). Exercising increases skeletal muscle LPL expression. The enzymatic activity of LPL is increased by apolipoproteinCII (apoCII) (essential cofactor) and apolipoproteinAV (apoAV), while apolipoproteinCIII (apoCIII) inhibits LPL. Recent research has led to the identification of multiple other proteins involved in the lipolytic process. These include two members of the angiopoietin-like protein family (ANGPTL), namely ANGPTL3 and ANGPTL4. ANGPTL3 inhibits LPL catalytic activity in the presence of substrate while ANGPTL4 inhibits LPL activity by promoting the conversion of active LPL dimers into inactive monomers. Glycosylphosphatidylinositol-anchored high-density lipoprotein-binding protein 1 (GPI-HBP1) is a high-affinity anchor for LPL. 4

Increased plasma TGRL can therefore mechanistically result from increased production (increased hepatic synthesis, high-fat diets) or reduced clearance (mainly decreased LPL activity or occasionally dysfunctional apoE). In many patients hypertriglyceridaemia is multifactorial with both mechanisms contributing to accumulation of TGRL. Plasma TGs can fluctuate wildly and rapidly. Dietary indiscretions (fatty meals) or metabolic stressors (e.g., uncontrolled diabetes mellitus) can rapidly raise plasma TGs, converting moderate hypertriglyceridaemia into severe hypertriglyceridaemia (see Table I for an example).

### Table I: Triglyceride response to a fatty meal

<table>
<thead>
<tr>
<th>Assumptions:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>• Complete digestion and absorption of dietary fat</td>
<td></td>
</tr>
<tr>
<td>• Clearance is zero (e.g. LPL deficiency)</td>
<td></td>
</tr>
<tr>
<td>• Ignore VLDL production</td>
<td></td>
</tr>
<tr>
<td>• Fasting triglycerides are 4 mmol/L</td>
<td></td>
</tr>
<tr>
<td>• Plasma volume of 3 L</td>
<td></td>
</tr>
<tr>
<td>• 1 mol triglycerides = 885 g</td>
<td></td>
</tr>
<tr>
<td>Take-away meal: Triglyceride content</td>
<td></td>
</tr>
<tr>
<td>• Double hamburger with cheese</td>
<td>42 g</td>
</tr>
<tr>
<td>• French fries (large)</td>
<td>30 g</td>
</tr>
<tr>
<td>• Chocolate triple thick shake (supersize)</td>
<td>28 g</td>
</tr>
<tr>
<td>Total meal is 100 g of triglyceride → 113 mmol</td>
<td></td>
</tr>
</tbody>
</table>

| Change in triglycerides: 113 mmol of triglyceride/3 L plasma volume: 37.66 mmol/L |  |
| Triglycerides can rise from 4 mmol/L to over 40 mmol/L |  |
| Cholesterol consumed: 255 mg (= 0.7 mmol) |  |

### Classification

There is no uniform classification system for hypertriglyceridaemia. A frequently used classification is: primary hypertriglyceridaemia (molecular aberration of lipoprotein metabolism, no other metabolic abnormalities) or secondary hypertriglyceridaemia due to metabolic precipitants. This classification is somewhat simplistic, as many patients with secondary hypertriglyceridaemia are likely to have ‘susceptibility genes’, as equivalent metabolic stressors provoke very variable individual triglyceride responses (see below). In most patients, including those with primary hypertriglyceridaemia, the molecular cause remains unknown.5

Hypertriglyceridaemia can also simply be classified according to the degree of triglyceride elevation: TG < 1.7 mmol/l is regarded as normal (2.3 mmol/L in some classifications), TG < 5.0 mmol/L is mild hypertriglyceridaemia, TG 5–10 mmol/L is moderately severe hypertriglyceridaemia and TG > 10 mmol/L is very severe hypertriglyceridaemia.

The Fredrickson classification of hyperlipidaemia is also widely used, but often poorly understood – leading to much confusion. Fredrickson simply grouped similar agarose electrophoresis patterns and labelled them with Roman numerals. The intention was not to create an aetiological classification but to group electrophoretic patterns. Further details regarding the Fredrickson classification can be found in Table II. As our knowledge of lipoprotein metabolism and its disorders grew, some electrophoretic patterns were found to be characteristic of molecularly defined disorders (e.g., Type I pattern → LPL deficiency), while other patterns have no specific molecular correlates (e.g. Type IIa). Yet other molecularly defined disorders have variable patterns such as dysbetalipoproteinemia (apoE mutations) – the Type III pattern is characteristic but the electrophoresis may also variably be classified as a Type IIb, Type IV or even Type V pattern. The conflation of electrophoretic patterns and metabolic and genetic diagnoses are responsible for much of the confusion surrounding the Fredrickson classification.

### Genetics of hypertriglyceridaemia

#### Monogenic disorders

Homozgyous mutations in LPL cause severe primary hypertriglyceridaemia from birth. The clinical phenotype is characterised by eruptive xanthomata, hepatosplenomegaly and lipaemic plasma. Pancreatitis may occur in infancy. The agaorese electrophoresis is characterised by an accumulation of chyomicrons (Fredrickson Type I pattern), and LPL deficiency is thus often also known as Type I hyperlipidaemia. LPL deficiency is a rare condition, but in South Africa there are founder mutations in the Indian and Afrikaner populations. Cases have, however, been reported from all population groups. 7 As this is a recessive disorder, there is usually no family history of hypertriglyceridaemia. LPL deficiency is a potentially fatal disorder and all children with hypertriglyceridaemia should be referred for urgent specialist evaluation. Establishing the correct diagnosis is essential in planning management. The University of Cape Town’s Lipid Laboratory can estimate lipolytic activity and screen for the common founder mutations in LPL. Currently, the only available management is dietary, with severe restriction of dietary TGs. The implementation of a very low-fat diet, while still providing adequate calories and essential fatty acids for growth and nutrition, requires advice from a dietitian specialised in lipid disorders and is especially challenging in infants. Lipid-lowering drugs are ineffective but are still frequently prescribed inappropriately, especially when an exact diagnosis has not been made. Gene therapy may be a therapeutic option in the future. Early Phase I human trials using adeno-associated virus as a vector to express an LPL allele with enhanced catalytic activity in muscles have been completed in humans with encouraging short-term results.6,8

Although heterozygous mutations in LPL reduce measured lipolytic activity, most carriers have normal lipid phenotypes. In situations of metabolic stress or in the presence of mutations or polymorphisms in other genes involved in lipid metabolism, hypertriglyceridaemia, usually of mild to moderate severity, may manifest. The Fredrickson pattern is variable, with Type IV and Type V patterns being the most common. In a
Table II: Agarose gel electrophoretic patterns according to Fredrickson’s classification

<table>
<thead>
<tr>
<th>Pattern</th>
<th>Predominant stain/band</th>
<th>Lipoprotein predominantly increased</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type I</td>
<td>Origin</td>
<td>Chylomicrons</td>
<td>LPL + apo CII deficiency</td>
</tr>
<tr>
<td>Type II A</td>
<td>Beta-band</td>
<td>LDL</td>
<td>TG &gt; 2.3 mmol/L distinguishes IIA from IIB</td>
</tr>
<tr>
<td>Type II B</td>
<td>Beta-band + pre-beta-band</td>
<td>LDL and some VLDL</td>
<td></td>
</tr>
<tr>
<td>Type III</td>
<td>Broad-beta band</td>
<td>Remnant particles</td>
<td>Broad-beta describes uniform staining from beta to pre-beta</td>
</tr>
<tr>
<td>Type IV</td>
<td>Pre-beta band</td>
<td>VLDL</td>
<td></td>
</tr>
<tr>
<td>Type V</td>
<td>Origin + pre-beta band</td>
<td>VLDL</td>
<td></td>
</tr>
</tbody>
</table>

Lipoproteins migrate as follows from origin: origin (chylomicrons), beta-band (LDL), pre-beta band (VLDL) and alpha-band (HDL). The Fredrickson’s classification does not comment on HDL staining.

Recent report, the entire LPL, apoCII and apoAV genes were sequenced in 110 non-diabetic patients with TG >10 mmol/L (Fredrickson Type V pattern) on at least two occasions. Known disease-causing mutations in LPL were identified in seven patients, indicating that heterozygous LPL mutations may be an important contributory factor in some patients with adult-onset severe hypertriglyceridaemia.4

ApoCII activates LPL, and homozygous apoCII deficiency is phenotypically indistinguishable from LPL deficiency.4,12 Fresh frozen plasma contains apoCII and may be infused at times of severe hypertriglyceridaemia or when pancreatitis has developed. To the best of my knowledge, there are no known cases of apoCII deficiency in South Africa.

Dysbetalipoproteinaemia (also known as Fredrickson Type III hyperlipidaemia or remnant removal disease) is characterised by the accumulation of remnants of TGRL. The most common molecular cause is homozgyosity for the receptor-binding defective ε2 isoform of apoE.4 Phenotypic expression of the disease usually requires the presence of additional metabolic stressors such as diabetes, obesity or hyperthyroidism. Patients typically present with severe mixed hyperlipidaemia (molar ratio of total cholesterol to plasma TGs approximates 2 : 1.) and high levels of apoE.5 Severe hypertriglyceridaemia, however, is not infrequent and high levels of apoE2 have been shown to impair lipolytic activity mainly by displacing or masking apoCII.6 Polymorphisms in apoAV may also explain why hypertriglyceridaemia is more severe in some dysbetalipoproteinaemic patients.7

More recently, mutations in several novel genes have been identified as causes of severe hypertriglyceridaemia. Some of these genes are listed below.

- ApoAV is encoded on chromosome 11, and homozygosity for rare truncating mutations in ApoAV (Q139X) may cause hyperchylomicronaemia.18,19 In the majority of patients, hyperchylomicronaemia was first documented in adulthood. The molecular mechanism of hypertriglyceridaemia in apoAV deficiency is not well understood, but may include failure to inhibit hepatic VLDL-triglyceride production as well as impaired lipolysis due to LPL not having adequate access to the lipoprotein core in the absence of functional apoAV.20 The genotype is not fully penetrant and not all mutation carriers have hypertriglyceridaemia.

- Lipase maturation factor (LMF 1) is involved in the endoplasmic maturation of LPL and hepatic lipase peptides. Homozygous nonsense mutations in LMF 1 have been identified in a few patients with severe hypertriglyceridaemia.21,22

- GPI-HBP1 is an endothelial cell surface protein found in the capillaries of organs where lipolysis occurs. GPI-HBP1 likely provides a platform for lipolysis to occur by anchoring LPL, TGRL and apoAV-phospholipid disks.23 Homozygous mutations in this protein have been identified in several patients with severe hypertriglyceridaemia in whom other known genetic causes of hypertriglyceridaemia had previously been excluded.24,25

The term familial hypertriglyceridaemia (FHTG) is often used to describe inheritance of a lipid phenotype characterised by an isolated increase in VLDL (Fredrickson Type IV pattern) – often with concomitantly low high-density lipoprotein cholesterol (HDLc). Most patients with FHTG have moderate elevations in TGs in the 3 to 10 mmol/L range. The disorder is familial but the molecular basis is unknown and is likely polygenic in many patients (see below).26 FHTG is often found in association with other cardiovascular risk factors such as obesity, insulin resistance, hypertension and hyperuricaemia and overlaps with the metabolic syndrome. In future, the clinically described entity of FHTG is likely to be progressively replaced by a multiplicity of molecularly diverse disorders with similar lipid phenotypes.

Familial combined hyperlipidaemia (FCH) is inherited in an autosomal dominant fashion with variable penetrance.27 The population frequency is reported to be 2 to 5%, making it the most common genetic dyslipidaemia. The lipid phenotype may vary widely within families, ranging from phenotypes dominated by increases in VLDL to those in which increased LDL is the major abnormality. HDLc is often low and apoB levels are usually high. Atherosclerotic risk is high. Severe hypertriglyceridaemia is uncommon in FCH and TGs are usually less than 5 mmol/L. The diagnosis is clinical and requires knowledge of the family history and lipid values in family members.28 The genetics of FCH have not been fully elucidated and it is likely that FCH is a genetically heterogeneous disorder. FCH has been linked to the APOAI/CIII/AIV/AV gene cluster,29 but the strongest candidate gene currently is Upstream Stimulatory Factor 1 (USF1), which encodes a transcription factor that modulates the expression of many genes involved in lipid and glucose homeostasis.30,31 Mutations in USF 1 may result in defective insulin-mediated induction of USF 1 and subsequently reduced expression of target genes.32

Polygenic hypertriglyceridaemia

In the majority of patients, the genetic basis of hypertriglyceridaemia remains unknown. Genome-wide association studies (GWAS) are improving our understanding of the genetic architecture of complex diseases. Single nucleotide polymorphisms (SNPs) at many loci have been linked to triglyceride metabolism in healthy controls, although the absolute effect on triglyceride levels is generally very small.33 In a recent study of hypertriglyceridaemic patients, previously identified SNPs were found to cluster according to Fredrickson phenotype. SNPs in ApoAV, Transducin-betas-2 (-2 - function unknown) and homologue of Drosophila Tribbles 1 (TRB1) – (function unknown) significantly associated with Fredrickson IIb, III, IV and V phenotypes. SNPs in other
genes, including ANGPTL3 and apoE, associated with selected phenotypes only.\textsuperscript{17} Taken together, these genotypes explained about 20% of variation in triglyceride concentration. Direct sequencing of some of these genes linked to hypertriglyceridaemia by GWAS but of as yet unknown function may identify rare loss of function mutations and provide a monogenic explanation for some patients with severe hypertriglyceridaemia. Clearly, our understanding of triglyceride metabolism is not yet complete. A plausible genetic model for hypertriglyceridaemia is that rare loss of function mutations with large effect sizes (e.g. LPL mutations) are found in a small group of patients, usually with extreme phenotypes. In most other patients, hypertriglyceridaemia may result from accumulating multiple common alleles that each individually only have a minor effect on triglyceride metabolism. Such a genetic background would not necessarily lead to hypertriglyceridaemia in itself, but would markedly increase the likelihood of hypertriglyceridaemia developing with environmental or metabolic stressors.

Secondary causes of hypertriglyceridaemia

Metabolic stressors or exposure to certain drugs may lead to hypertriglyceridaemia in some but not all patients. Those that develop hypertriglyceridaemia are likely genetically predisposed (see above), although we do not fully understand the interactions between the genome and the environment as yet. In clinical practice, diabetes is the most common metabolic stressor. In susceptible individuals certain drugs can also trigger hypertriglyceridaemia. Further information on secondary causes of hypertriglyceridaemia can be found in Tables III and IV.

Clinical manifestations

Physical signs

Eruptive xanthomata (Figure 1) are cutaneous manifestations of severe hypertriglyceridaemia regardless of aetiology. They are small yellow papules often on an erythematous base. They tend to occur in crops of...

### Table III: Secondary causes of hypertriglyceridaemia

<table>
<thead>
<tr>
<th>Condition</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Obesity</td>
<td>Mild hypertriglyceridaemia frequent in metabolic syndrome. Increased waist circumference highly predictive of mild hypertriglyceridaemia.</td>
</tr>
<tr>
<td>Diet</td>
<td>See Table I for the effect of dietary fat in patients with lipolytic defects.</td>
</tr>
<tr>
<td>Diabetes mellitus</td>
<td>Most common secondary cause in our experience. Controlling diabetes mellitus often lowers TGs substantially.</td>
</tr>
<tr>
<td>Alcohol</td>
<td>Alcohol can increase VLDL synthesis. Pancreatitis risk from alcohol and TGs.</td>
</tr>
<tr>
<td>Renal disease</td>
<td>Mild hypertriglyceridaemia frequently seen in uremia.</td>
</tr>
<tr>
<td>Pregnancy</td>
<td>Increased VLDL production may expose lipolytic effect. Pancreatitis has high mortality rate in pregnancy.</td>
</tr>
<tr>
<td>Paraproteins</td>
<td>May inhibit lipolytic proteins.</td>
</tr>
<tr>
<td>Autoimmune disorders</td>
<td>Systemic lupus erythematosus (SLE) may generate auto-antibodies to LPL.</td>
</tr>
<tr>
<td>Other disorders</td>
<td>Glycogen storage disorders may have mild hypertriglyceridaemia.</td>
</tr>
</tbody>
</table>

### Table IV: Drugs associated with hypertriglyceridaemia

<table>
<thead>
<tr>
<th>Drug</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oestrogen</td>
<td>Oral oestrogen elevate TGs more than transdermal preparations. May cause marked hypertriglyceridaemia in susceptible individuals.</td>
</tr>
<tr>
<td>Corticosteroids</td>
<td>Variable lipid phenotypes, may cause predominant hypercholesterolaemia.</td>
</tr>
<tr>
<td>Isotretinon</td>
<td>Severe hypertriglyceridaemia possible. Check baseline TGs before therapy and once on treatment.</td>
</tr>
<tr>
<td>Antiretrovirals</td>
<td>Protease inhibitors, especially ritonavir; most often implicated in hypertriglyceridaemia often severe.</td>
</tr>
<tr>
<td>Cholestyramine</td>
<td>May aggravate hypertriglyceridaemia. Avoid prescription when TGs are increased.</td>
</tr>
<tr>
<td>Immunosuppressant drugs</td>
<td>Sirolimus frequently implicated.</td>
</tr>
<tr>
<td>Beta blockers, thiazides</td>
<td>Increase in TGs usually minor.</td>
</tr>
<tr>
<td>Atypical antipsychotics</td>
<td>Weight gain, insulin resistance and diabetes commonly accompany rise in TGs.</td>
</tr>
</tbody>
</table>
and are most commonly found on the extensor surfaces of elbows and knees, the buttocks, thighs and trunk. Eruptive xanthomata resolve over several weeks to months once the TGs have been controlled. The retina may appear pink with ‘milky’ vessels in severely hypertriglyceridaemic patients – this is known as lipaemia retinialis. Plasma that has been left standing overnight at 4 °C (Figure 2) appears turbid (VLDL excess) with a creamy layer on top (chylomicron excess). In long-standing, severe hypertriglyceridaemia or in patients with dysbetalipoproteinaemia, eruptive xanthomata may coalesce to form tuboeruptive xanthomata (Figure 3).

Pancreatitis

Severe hypertriglyceridaemia is a well-established trigger for acute pancreatitis.34,35 Accurate measurement of serum amylase is challenging in the presence of lipaemia, and pancreatitis may be falsely ruled out when the amylase is not elevated.36 Pancreatitis rarely occurs when TGs are under 10 to 15 mmol/L. In many patients, TGs are only measured several days after the onset of pancreatitis and a prolonged period of nil per mouth. In such situations, hypertriglyceridaemia may have improved markedly and may then be erroneously excluded as a possible cause of pancreatitis. As illustrated in Table I, TGs may vary markedly and rapidly and a patient with only moderately elevated TGs may develop pancreatitis following a short period of dietary indiscretion. However, there are also patients with persistently marked hypertriglyceridaemia who never develop pancreatitis. Pancreatitis is therefore an unpredictable complication of hypertriglyceridaemia that strikes unexpectedly. The pathophysiology of hypertriglyceridaemic pancreatitis remains imperfectly understood. Intravascular triglyceride hydrolysis by pancreatic lipase with subsequent release of free fatty acids is the most commonly postulated pathophysiological mechanism.35

The treatment of hypertriglyceridaemic pancreatitis does not differ fundamentally from that of pancreatitis of any other cause. Metabolic disturbances should be sought and controlled. Should total parenteral nutrition be necessary, it is important to avoid excess fat supply (e.g. Intralipid or Lipovenous). Subsequently, severe restriction of dietary fat intake is necessary. Apheresis will rapidly, but transiently, lower plasma TGs.34,37 There is no evidence that patients treated with apheresis recover more rapidly or have fewer pancreatitis-associated complications, and this expensive treatment modality cannot be routinely recommended.38

Atherosclerosis

Moderate hypertriglyceridaemia is an independent risk factor for atherosclerosis, and TGs have been incorporated in the PROCAM cardiovascular risk-prediction algorithm.39,40 Subsequent studies have confirmed these findings41 and also suggest that non-fasting TGs are a better predictor of risk than fasting TGs.42,43 Non-fasting TGs probably predict risk better than fasting TGs, as they, at least in part, reflect the duration of postprandial lipaemia and the rapidity with which other atherogenic remnant lipoproteins are cleared. It is, however, almost impossible to precisely determine the contribution that moderate hypertriglyceridaemia makes to cardiovascular risk independently due to the multiple metabolic abnormalities (diabetes, obesity, hypertension), secondary lipid changes (low HDLC, small dense LDL) and pro-inflammatory and pro-thrombotic changes seen in association with hypertriglyceridaemia.

Treatment of hypertriglyceridaemia

Treatment to reduce cardiovascular risk

The evidence base for specifically targeting mild to moderate hypertriglyceridaemia beyond control of other risk factors, including LDLC, in patients at high cardiovascular risk is limited. Most clinical outcome studies have focused on LDLC reduction as the primary target and have used statins that have modest triglyceride-lowering properties. The strongest evidence of benefit for a non-LDL centred strategy comes from studies in which fibrates were given to patients with well-defined lipid phenotypes: moderate hypertriglyceridaemia with low HDLC.44,45 The ACCORD study is currently investigating the use of a statin versus a statin + fibrate strategy in high-risk Type II diabetes mellitus. There are no well-established triglyceride target values and treatment selection currently requires careful analysis of the lipid phenotype as well as a lifestyle review and clinical judgement. A fuller discussion of these issues can be found in Yuan et al46 and Brunzell.47

Treatment of severe hypertriglyceridaemia

The primary goal is to lower TGs rapidly to reduce the risk of acute pancreatitis. Cardiovascular risk reduction is of secondary concern, but becomes increasingly relevant once the pancreatitis risk has been dealt with.

Non-drug treatment

Secondary factors that may be contributing to hypertriglyceridaemia need to be actively sought out and treated (Tables III and IV). In clinical practice, the most common problem is either undiagnosed or uncontrolled diabetes. Admission to hospital is often helpful to rapidly control hyperglycaemia. If drugs are contributing significantly to hypertriglyceridaemia, treatment should be switched or discontinued if the patient’s clinical condition allows this and there are effective alternative treatment options. In the longer term, weight loss and exercise contribute to improved metabolic control.

Marked restriction of dietary fat intake is essential when managing severe hypertriglyceridaemia (see Table I). At Groote Schuur Hospital we prescribe an extremely low-fat diet (less than 10 g of fat a day [g/d]) for about three days when patients with severe hypertriglyceridaemia are initially referred. This diet is colloquially known as the ‘Rescue diet’ and rapidly lowers TGs (Table V). It is not nutritionally adequate in the long term and the long-term dietary goal is to restrict total fat intake to around 20–30 g/d. This is not always easy to achieve and requires dedication from the patient (reading labels, assessing portion sizes, calculating expenditure on ‘fat budget’) and the assistance of a dietitian with specific experience in the management of severe hypertriglyceridaemia. Dietary fat restriction needs constant re-enforcement and spiking triglyceride values on follow-up are often related to dietary indiscretions. Alcohol should ideally be avoided completely or intake should be reduced drastically.

Omega-3 fatty acids (fish oils) lower TGs by reducing the synthesis and secretion of VLDL46 and by increasing expression of LPL in adipose tissue.47 Pharmacological doses of around 4 g/d of eicosapentaenoic acid (EPA) and docosahexaenoic acid (DHA) are required for maximal effect. Fish oils are most effective in moderately severe hypertriglyceridaemia and may lower TGs by up to 40% in some patients.48,49 Fish oils are ineffective in LPL deficiency and related disorders and may worsen hypertriglyceridaemia if prescribed inappropriately. Preparations of
Table V: ‘Rescue diet’ for severe hypertriglyceridaemia

<table>
<thead>
<tr>
<th>Daily menu</th>
<th>No diabetes</th>
<th>Diabetes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breakfast</td>
<td>(1.7 g)</td>
<td></td>
</tr>
<tr>
<td>125 ml orange juice</td>
<td>0.3</td>
<td>1 banana</td>
</tr>
<tr>
<td>3/4 cup Rice Crispies</td>
<td>0.0</td>
<td>250 ml skim milk</td>
</tr>
<tr>
<td>1 slice white bread</td>
<td>0.5</td>
<td>15 ml honey</td>
</tr>
<tr>
<td>Lunch</td>
<td>(1.6 or 2.4 g)</td>
<td></td>
</tr>
<tr>
<td>2 med potatoes (2 bread)</td>
<td>0.2 (1.0)</td>
<td>60 g fat-free cottage cheese</td>
</tr>
<tr>
<td>Salad (lettuce, cucumber, tomato ...)</td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>Supper</td>
<td>(2.4 or 3.6 g)</td>
<td></td>
</tr>
<tr>
<td>375 ml white rice (pasta)</td>
<td>0.6 (1.6)</td>
<td>125 ml tomato/onion mix</td>
</tr>
<tr>
<td>125 ml lentil</td>
<td>0.4</td>
<td>Vegetables (carrot, broccoli)</td>
</tr>
<tr>
<td>Fruit (3 slices of pineapple)</td>
<td>0.6</td>
<td></td>
</tr>
<tr>
<td>Snacks</td>
<td>(1.3 g)</td>
<td></td>
</tr>
<tr>
<td>Apple, morning</td>
<td>0.6</td>
<td>Pear, afternoon</td>
</tr>
<tr>
<td>Other supplements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No diabetes</td>
<td></td>
<td>Diabetes</td>
</tr>
<tr>
<td>Beverages</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carbonated drinks including colas</td>
<td></td>
<td>Dietetic cold drinks</td>
</tr>
<tr>
<td>Lucroade</td>
<td></td>
<td>Low calorie Lecol, Oros</td>
</tr>
<tr>
<td>Fruit juice, including orange, apricot, apple, grape</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sweets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiled sweets</td>
<td></td>
<td>Artificially sweetened</td>
</tr>
<tr>
<td>Jelly babies, wine gums, marshmallows</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peppermints, vitamin C sweets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spreads</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sugar syrup, honey, molasses</td>
<td></td>
<td>Dietetic jams</td>
</tr>
<tr>
<td>Jam, marmalade</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Desserts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jelly, canned fruit, custard made with skim milk (0.4 g fat/250 ml)</td>
<td></td>
<td>Artificially sweetened jelly</td>
</tr>
<tr>
<td>Meringues without cream</td>
<td></td>
<td>Low-calorie canned fruit</td>
</tr>
</tbody>
</table>

Fats are often poorly declared on food labels, and recipes may vary by include fats and are best not trusted.
Medium-chain TIGs, although not necessarily directed to chylomicrons, could still undergo chain elongation and enter chylomicrons and thus elevate hypertriglyceridaemia. Intravenous lipid supplementation (Intralipid, Lipovenous) is contra-indicated. Diet developed at the Lipid Clinic with the assistance of Cecily Fuller (RD).

Drug treatment

Monotherapy is preferred initially, but many patients do ultimately require combination lipid-lowering therapy to achieve optimal control. Combination therapy should be prescribed with due consideration of contra-indications and with careful monitoring. The second drug is selected based on the predominant remaining lipid abnormality once a steady state has been reached on monotherapy.

Fibrin acid derivatives include bezafibrate, fenofibrate and gemfibrozil. These drugs influence lipid metabolism at multiple points by binding to PPAR-α in the liver and modulating transcription of many genes involved in lipoprotein metabolism. Fibrates are central to the management of severe hypertriglyceridaemia and are the drugs of first choice. Fibrates lower TGs, increase HDLC and may either lower or in some cases raise LDLC. The latter situation often arises in hypertriglyceridaemic subjects when the more efficient lipolytic processing brought about by fibrates results in increased LDL production. Fibrates are excreted renaly and doses need to be adjusted to renal function. Fibrate therapy is often accompanied by a modest (~10%) rise in creatinine but this is not due to a lowered glomerular filtration rate and reverses on discontinuation.

Niacin may lower TGs by up to 45% but is most frequently prescribed in mild to moderate hypertriglyceridaemia. There are multiple other beneficial effects on the lipid profile (LDLC reduction, HDLC increase, LI(p) reduction) and niacin prescription is generally targeted at cardiovascular risk reduction rather than the management of severe hypertriglyceridaemia. Flushing and pruritus limit the acceptability to patients but newer preparations with reduced flushing due to slow-release formulatuion and the addition of a prostaglandin D2 receptor 1 blocker should be available in South Africa soon.

Statins do lower TGs but are not effective in severe hypertriglyceridaemia. In the experience of the Groote Schuur Hospital’s lipid clinic, statins continue to be frequently prescribed for severe hypertriglyceridaemia with predictably disappointing results. Statins may be used as monotherapy in mild to moderate hypertriglyceridaemia or in combination with fibrates if LDLc remains high after TGs have been controlled.

Ezetimibe does not lower TGs significantly but can be combined with fibrates if additional LDLc lowering is required and statins are contra-indicated or not tolerated. Cholesterolamine can raise TGs and should be avoided in hypertriglyceridaemia.

Conclusion

Marked hypertriglyceridaemia is a risk factor for pancreatitis, while moderate hypertriglyceridaemia is a cardiovascular risk factor. Several new proteins that play important roles in lipolysis have been discovered recently and GWAS have identified linkages to many genes of as yet unknown function. We may yet have a lot to learn about lipolysis and TGRL metabolism in general.

The case for treating severe hypertriglyceridaemia is unequivocal, while treatment strategies and triglyceride goals are less well defined in moderate hypertriglyceridaemia. Where the focus is on cardiovascular risk reduction.

Although LDL rightly remains the focus of our attention for cardiovascular risk reduction and the belle of the ball, TGRL are attracting increasing scientific attention and study. Unfortunately, this is not a true fairytale transformation, as the emerging Cinderella certainly has a mean and vindictive streak, causing mayhem in the pancreas or partnering with her stepsister to ravage the arteries.

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* De Laey Jean-Jacques (C OPHTH) (2000) 
* Denneny-Brown Derek Ernest (CP) (1971) 
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Ottawa, Canada 
Quebec, Canada 
Johannesburg, SA 
London, UK 
Somerset East, SA 
Cape Town, SA 
Dublin, Ireland 
Cape Town, SA 
London, UK 
Cape Town, SA 
Johannesburg, SA 
Pretoria, SA 
Cape Town, SA 
Boston, USA 
Quebec, Canada 
London, UK 
Nijmegen, Netherl. 
Johannesburg, SA 
Ontario, Canada 
London, UK 
London, UK 
Pretoria, SA 
Ontario, Canada 
Leeds, UK 
Johannesburg, SA 
London, UK 
Edinburgh, UK 
Dublin, Ireland 
Ontario, Canada 
Victoria, Australia 
Karachi, Pakistan 
Dublin, Ireland 
Oxford, UK 
Tel Aviv, Israel 
Glasgow, UK 
Johannesburg, SA 
Cheshire, UK 
Johannesburg, SA 
Pretoria, SA 
Montreal, Canada 
Edinburgh, UK 
Wirral, UK 
London, UK 
Lagos 
Johannesburg, SA 
Durban, SA 
Johannesburg, SA 
Massachusetts USA 
Oxford, UK 
Middlesex, UK 
Alberta, Canada 
Cape Town, SA 
Peppermint Gr. WA 
London, UK 
Toronto, Canada 
Dublin, Ireland 
Dublin, Ireland 
Queensland, Austr. 
London, UK 
Ontario, Canada
The Colleges of Medicine of South Africa
As at 2 September 2010

*Breytenbach Hermanus (CMFOS) (2001) Stellenbosch
Cleaton-Jones Peter Eiddon (CD) (2005) Johannesburg
Corder Robert Franklin (CEM) (2007) Maryland, USA
Davey Dennis Albert (C PAED) (2008) Bergvliet, Cape Town
Gear John Spencer Sutherland (CPHM) (2005) Still Bay
Gevers Wieland (CP) (2001) Rosebank, Cape Town
Heese Hans de Villiers (C PAED) (2007) Rondebosch
Keet Marie Paulowna (C PAED) (2007) Cape Town
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Odendaal Hendrik Johannes (COG) (2009) Cape Town
Sutcliffe Thomas James (C PSYCH) (2008) Cape Town
*Van Reenen Johannes F (C DENT) (2003) George
*Van Selm Justin Leander (C OPHTH) (2005) Plettenberg Bay
Welsh Neville Hepburn (C OPHTH) (2006) Lydenburg
*Deceased

Erratum: TRANSACTIONS 2010; 54(1):45
Box 2: Standards for teaching delivery

- Patient safety
- Quality assurance, review and evaluation
- Equality, diversity and opportunity
- Student selection
- Design and delivery of curriculum including assessment
- Support and development of students, teachers and local faculty
- Management of teaching, learning and assessment
- Educational resources and capacity

We herewith wish to apologise for the error in the previous edition of Transactions. Box 1 was incorrectly repeated as Box 2. The updated pdf is available from www.collegemedsa.ac.za.
CMSA Life Members
As at 2 September 2010
Kok Hendrick Willem Lindley
Koopowitz Joseph Ivan
Kornell Simon
Kotze Bernard
Kotzé Johannes van Zyl
Koz Gabriel
Kramer Michael Sherman
Krengel Benionin
Kreutzel Noel
Kriel Jacobus Piyo
Krige Christiaan Frederick
Krige Louis Edmund
Krismann Michael Maurice
Krog Lex
Kussel Jack Josiah
Kussman Barry David
Labuschagne Izak
Lachman Sydney Joshua
Laiing John Gordon Dacomb
Lake Walter Thomas
Latto Manekiel
Lampert Jack Arthur
Landsberg Pieter Guillaume
Landsman Gerald Bernard
Lanterman Elfrith Cornelia
Lapinsky Gerald Bert
Lange Robert George
Lasich Angelo John
Latif Ahmed Suliman
Laubscher Willem M Lötter
Lautenbach Earle E Gerard
Lawrence Henry Martin
Lawson Hugh Hill
Leary Peter Michael
Leary William P Pepperrell
Leask Porter Raymond
Leaver Roy
Lebana Aaron David
Leeb Julius
Leeming John A Lampey
Leigh Werner E Julius
Lejeune Michael Jl Reeni
Lehmann Eric Richard
Lehmann Johan
Lehmann Lourens Badenhorst
Le Roux Dwayne
Le Roux Desmond Raubenheimer
Le Roux Petrus A Jacobus
Lessing Abraham J Petrus
Levenstein Stanley
Levin Joseph
Levin Solomon Elias
Levy Reginald Bernard
Levy Wallace Michael
Levy Walter Jack
Levin Arthur
Levin Ethel
Levis Henry Montague
L’Heureux Ronton
Liebenberg Nicolaas Dreyer
Linde Stuart Allen
Lipper René Denysen
Lipschitz David
Lipschitz Robert
Lipsitz Max
Lipworth Edward
Lissuos Irving
Lloyd David Alden
Lloyd Ewain Alden
Lochner Jan de Villiers
Lodemann Heide Katharina
Loening Walter E Karl
Lombard Hermanus Egbertus
Lott Sayeed M Hossain
Loots Petrus Beaufort

Losken Hans Wolfgang
Losman Elma
Lotzsof Samuel
Louber Johannes Samuel
Lowe Anthony Emn Jacobus
Louw Joan Xavier
MacDonald Angus Peter
MacEwan Ian Campbell
MacGregor James MacWilliam
MacKenzie Basil Louis
MacKenzie Donald Bernard
MacLeod Ian Nevis
MacPhail Andrew Patrick
Mags Rudnick Frank
Mahomed Abdullah Elshaak
Maier Michael John Hayes
Maitlin Charles Thabo
Malan Atties Fourie
Malan Christine
Malan Gerard
Maliza Antice
Malkiel-Shapiro Boris
Mangera Ismail
Mangold Fritz Theodor
Mankovitz Emmanuel
Mann Noël Mydlleton
Mann Solly
Marais Ian Philip
Marais Johannes Stephanus
Marchand Paul Edmond
Maresky Abraham Leib
Maresky Leon Solomon
Marivate Russell
Margolis Frank
Margolis Kenneth
Mariville Martin
Markman Philip
Marks Charles
Masey George R Frederick
Mason Eric Ivor Henry
Massey Patricia J Helen
Mathison Rodney Earl
Matu Szejma
Mauff Alfred Carl
May Abraham Bernard
Maygar Beresime
McCutecheon John Peter
McDonald Robert
McIntosh Robert Roy
Mcintosh William Andrew
McKenzie Malcolm Bett
McPhee Michael Henry
Mears Jasper W Walter
Meer Farooq Moosa
Meeren Moodieen Kader
Melville Roger Laidman
Melville Ronald George
Mervis Benjamin
Mendel Sonnie Ivan
Mendelow Harry
Mendelssohn Leonard Meyer
Meyer Anna Christina
Meyer Berhardt Heinrich
Meyer Cornelius Martinus
Meyer David
Meyer Eric Theodore
Meyer Jan Abraham
Meyer John
Meyer Roland Martin
Meyers Anthony Molynex
Meyersons Sidney Jacob
Meyerson Louis
Michael Aaron Michel
Michaelides Basil Andrew
Michaels Maureen Jeanne
Michalowsky Aubrey Michael
Michaelov Maurice Cecil
Midgley Franklin John
Milne Carel Johannes
Miller Robert Norman
Miller Samuel
Milne Anthony Tracey
Milne Frank John
Milers Selwyn
Minkin Wilfred Hyman
Minskine Zelik
Mitchell Peter John
Mokhobo Kubeni Patrick
Molapo Jonathan Lepoqo
Möller Carl Theodorus
Molteno Christopher David
Moodley Jagidesa
Moodley Thurganiasaunburamam
Moolu Yousof Mahomed
Moosa Abdool-Sattar
Morley Eric Clyde
Morrell David Francis
Morris Charles David Wilkie
Morrissett Patricia
Mulligan Terence P Simpson
Mundy Raymond
Murray Neil Laird
Myburgh Johannes Albertus
Myers Leonard
Naidoo Balaguru Narimahlo
Naidoo Lutchman Permal
Naidoo Premilla Devi
Nair Ganesaapriyuck
Nanahhabay Sayed Suliman
Nash Eleanor Scarborough
Naude Johannes Hendrik
Naylor Aubrey Chalkley
Neefeld Hyman
Neel Elias Albertus
Neel Jan Gideon
Neel Jacques Bernardus Anton
Neel Pieter Daniel
Neel Rhoderic William Arthur
Neel William Stephenus
Neser Francois Nicholas
Nestadt Allan
Newbury Claude Edward
Nicholson John Campbell
Nicholson Melanie Eugene
Noble Clive Allister
Noll Brian Julian
Norman-Smith Jack
Norwich Iasore
Noven Nicola
Nurick Ivan James
Obel Israel Wollf Promund
Odendaal Hendrik Johannes
Okriglicki Andrzej Michael
Ollinsky Anthony
Olive Johannes Andries
Oliver Yusuf
Opie William Henry
Orelowitz Manney Sidney
Osler Henry Ingram
Ospovat Norman Theodore
Padayachy Perumal
Palmer Philip Edward Stephen
Palmer Raymond Ivor

Pantonowitz Desmond
* Paradisgardt Hymie Charles
Parkes John Ryan
Parsons Arthur Charles
Pascoe Francis Danby
Pasco Michael Darby
Pateel Prabhakant Laloo
Pathan Ranginayagam
Pearman Theodore
Peck Dwayne Gocham Hooosen
Pen Jack
Penchon Herbert Otto
Pien Nathaniel Kemsley
Perrdikis Theo
Perk David
Peters Ralph Leslie
Petitior John Morley
Philcox Derek Vincent
Phillips Gerald Isaac
Phillips Louisa Marilyn
Plessis Gerald Aardam
Pieterse Holland Frederik
Pillay George Permail
Pillay Govindasamy Sekagingam
Pillay Rathinappasaptharumugam
Pillay Thiagarajam Sundragasen
Pillay Veevansamy KGovinda
Planer Meyer
Pitt Michael
Polakow Everard Stanley
Polakow Raphael
Politzyk Nathan
Pollak Ottiile
Polley Neville Alfred
Pompe van Meerdroort Hjalmar Frans
Porter Christopher Michael
Posel Max Michael
Potgieter Louis
Power David John
Prentice Bernard Ross
Pretorius David K Schalk
Pretorius Jack
Pretorius Johannes Jacobus
Pretorius Johannes Lodewikus
Price Samuel Nathaniel
Prinsloos Simon Lodewyk
Proctor Desmond S Collcott
Prosser Geoffrey Leslie
Prowse Clive Morley
Przybojezowski Jerzy Zbigniew
Puddfin Dennis James
Quan Tim
Quatock Owen Peter
Quinan Desmond Kluge
Quirk Peter Dathy Grace
Rabinowitz Albert
Rabinowitz Leslie
Radford Geoffrey
Rafopoulos George
Raghavjee Indira Vaghjee
Raine Edger Raymond
Rankin Anthony Mottram
Ransome Oliver James
Rayman Ashley
Rebstein Stephen Eric
Redfern Michael John
Reichman Leslie
Reichman Percy
Reid Frederick Payne
Reidy Jeremy Charles
Reif Simon
Reinach Werner
Renton Maurice Ashley
Relief Daniel Hugo
Relief Degene Jacobs