CKD MBD Clinical Practise Guideline 2019
A 10-men strong work force was formed to formulate the Malaysian CKD-MBD and Parathyroidectomy Standard Operational Protocol as there is a wide variation in the management of CKD-MBD and referral pattern to endocrine surgeons for parathyroidectomy.

The Work Force consists of:
- Prof. Dr. Goh Bak Leong, Chairman, MOH
- Dr. Ching Chen Hua, Co-Chair, MOH
- Dr. Leong Chong Men, Secretary, MOH
- Dr. Muhamad Zaimi Abdul Wahab, MOH
- Dr. Lily Mushahar, MOH
- Prof. Dr. Abdul Halim Gafor, MOE
- Dr. Loh Chek Loong, MOH
- Assoc. Prof. Dr. Azreen Adnan, MOH
- Dr. Yudisthira M. Ganeshadeva, Private
- Dr. Fariz Safhan Mohamad Nor, MOH

There will be 6 chapters in the new guideline:
- Chapter 1: Recommendations on Standard Medical Therapy
- Chapter 2: Assessment on Vascular Calcification
- Chapter 3: Indications for Parathyroidectomy
- Chapter 4: Pre-operation and Intra-operative Assessment and Preparation
- Chapter 5: Post-operative Care and Monitoring
- Chapter 6: Parathyroidectomy and Adynamic Bone Disease

This guideline has been accepted and endorsed by our Director General of Health, Datuk Dr. Noor Hisham Abdullah and should be available soon.

Future Endeavors
We are proud to be hosting the following events in the next few years:
2) 3rd Asia Pacific AKI CRRT Congress - 2019.
3) 17th Congress of the Asian Society of Transplantation - 2021.

We are also in the running to host the ISN World Congress of Nephrology in our vibrant capital, Kuala Lumpur for the year 2022.

Wish us luck!
After a lapse of almost a year, the MSN e-Newsletter is back. I am humbled and honoured to be given this opportunity to pen the foreword for this e-Newsletter and I was asked to share with the members the experience as President over the last 1 year. Among the highlighted events were:

1. Introducing the Fellowship Awards
   The Malaysian Society of Nephrology, which is the custodian and authoritative body for matters of professional and public interest concerning nephrology in the country, as well as the premier organisation responsible for the advancement of science and practice of nephrology and nephrology-related allied sciences, has been here for a long time with its embryonic principles on 21 December 1984. After almost 34 years, we should now formally look back and evaluate our performance and pay tribute to the pillars, movers and shakers of the society. This award is the highest Professional Honour conferred by Malaysian Society of Nephrology to its members who have distinguished themselves through professional excellence and outstanding achievement in the field of nephrology locally and internationally. They were mainly recognised for their contribution in three important domains, namely (1) contribution to the Society either as president or provide leadership position in (2), major administrative and services in nephrology at society (pioneer), country (national head of nephrology service), international (international congress chair/scientific chair/advisor hosted by MSN), (3) Training and continuing education, and (4) Leadership position in NRR.

2. Celebrating the 25th Anniversary of National Renal Registry and honouring the Pioneers and Champions of 25 years of NRR success
   As with all efforts of this nature, the success was the result of a group of people with vision, discipline, perfection, hard work, learning from failure, single-mindedness, perseverance and passionate about nephrology services in this country. These were the people who initiated a lot of tiny steps which were followed through subsequent years. The success of NRR over the last 25 years required many pioneers and champions with these qualities to bridge the big vision and achievement. It is MSN's sincere appreciation of those Pioneers and Champions that we would like to put on record the important contributions of these movers and shakers of NRR.

3. 3rd edition of Haemodialysis Quality Standards
   The 3rd edition of Haemodialysis Quality and Standards was published in 2012. It was meant to provide a comprehensive overview to ensure good quality dialysis for patients with ESRD. This updated version was also intended to provide guidance to enforcement units in reference with regards to implementation of the Private Healthcare and Facilities Act 1998. However, there were some statements which unintentionally became contentious which resulted in much dispute among practicing nephrologists, dialysis providers and the enforcing units. It is our sincere hope that the 3rd edition will provide clarification on some of these issues. Under the facilities chapter the role of direct versus indirect feed is spelt out more clearly. This edition also adds the role of nucleic acid testing for hepatitis B, C and HIV besides conventional serology tests. The previous recommendation regarding single use dialyser practice for dialysis in patients returning from other dialysis centres was revised in accordance with current available evidence and in line with existing practice in other countries. In line with most developed countries where on-site dialysate preparation has become common for convenience and economic reasons, a statement on this has been added. Last but not least, considerable effort was put into re-defining the more appropriate role and terms of reference for person in-charge (PIC). With the new role of PIC, the objectives of the re-certification course, 200 hours training on haemodialysis for registered medical practitioners is revised and more in tune with the requirements of HIFHA 1998. It is important to emphasise that this course is not intended to provide in-depth knowledge on management of haemodialysis patients. The clinical management of haemodialysis patients and related complications shall be guided by the in-centre or affiliated nephrologist.

4. Moving into new office at Qsentral which also housed the NRR office
   Hopefully with this new office, MSN will carry it will new vigor and new spirit in the coming years.

5. Published the First Malaysian CKD-MBD and Parathyroidectomy Guidelines & SOP
   This massive undertaking is collaboration between MSN and endocrine surgeon. After no less than 7 meetings this epic document finally come to fruition. We are honoured that the Foreword is penned by Datuk Dr Noor Hisham Abdullah, Director General of MOH Malaysia after this document extensively reviewed by 2 internal reviewers and 1 external reviewer. We are fortunate to have Professor Marco Cozzalino of University of Milan and currently the Chair of the working group for CKD-MBD for EDTA as our external reviewer.

6. Singapore Malaysia Nephrology Forum 2017
   Finally we are really happy and proud that we managed to take back the trophies for best orator and won in the epic debate with Singapore! Malaysia Boleh!

There are many more activities carried out by the council members as well as ordinary members over the last one year. We would love to share every bits of it here, however, in view to limited space and resources we apologise for not to be comprehensive in this Newsletter. Hopefully as the time goes by, the editorial Board can get better and improve along the way.

Now, I have taken over the helm as the President of the Malaysian Society of Nephrology for the past two years, I felt privileged, honored as well as humbled by this experience. I am lucky to be assisted by a group of capable as well as enthusiastic colleagues and friends. I must give credit to the council members who had worked tirelessly to complete many tasks and assignments. I would like to take this opportunity to thank all for their hard work.

On behalf of the 2016-2018 council I wish to express a big thank you to all the members who had contributed in one way or another in making MSN a very vibrant, professional and respected as well as successful society. A big hug goes to those who make our time in the office tolerable, occasionally enjoyable and enabled us to remain steadfast despite the ups and downs. Please forgive us for any shortcomings that were not intended and please wish us well and give us your full support in our coming endeavor. Please enjoy your reading.

Cheers!

Professor Dr Goh Bak Leong
President
Malaysian Society of Nephrology
2016-2018
We were the proud to co-organize the 1st Asia Pacific AKI CRRT congress, held on the 20th-23rd August 2017 in Kuala Lumpur Convention Centre with renown CRRT Inc. San Diego, in conjunction with the 33rd Annual Congress of MSN. A total of 969 delegates from around the world attended this congress which focused on various aspects of critical care nephrology with a significant emphasis on acute kidney injury (AKI) and extracorporeal support techniques. Among the highlights were the recent advances in our understanding of pathophysiology of critical illness, acute kidney injury, emerging strategies in the management of sepsis, multi-organ failure, development and use of biomarkers, technical advances in CRRT and the appropriate utilization of these techniques. The meeting consisted of plenary and workshops coupled with poster and oral presentations from delegates all around the world. The conference was further enhanced with two well attended Pre-Conference workshops focused on current topics in AKI management targeted at physicians and CRRT training workshops for both physicians and nurses offering case-based hands on training to optimize the delivery of CRRT.

Congratulations to the organising committee on a job well done!
This year’s World Kidney Day: Kidneys and Women’s Health was celebrated on the 8th March 2018. Many activities were held throughout Malaysia for the month of March and April but none were more grand than the national celebration, held in Komtar JBCC on the 11th March 2018. The nephrology team in Hospital Sultanah Aminah and National Kidney Foundation came together for an event that was educational and exciting. A total of 504 delegates joined activities such as health forum awareness talks, magic show and Zumba.

Hospital Selayang joined forces with JKNS for their own celebration on the 18th March 2018. Metropolitan Park, Kepong was alive with the sounds of 1300 delegates, participating in events such as fun run and health awareness talks.

Hospital Kuala Lumpur held an outreach program to Felda Sg Tengi, Felda Sg Behrang & Felda Lakum as their World Kidney Day celebration. This was a joint effort with National Social Welfare Foundation, Ministry of Development of Women, Family and Community and FELDA and it was a sound success with 150 people participating in each venue. Not forgetting Zumba, held in Hospital Kuala Lumpur itself, with 80 attendees.

Representing our team in the east coast, the Pahang team together with National Kidney Foundation, Jabatan Kesihatan Negeri Pahang and Persatuan Dialisis Negeri Pahang went to Sungai Lembing on the 18th March 2018 for their own version of Fun Run and health screening.

The World Kidney Day celebration in Klang is done over two days on the 7-8th March 2018. The first day was a day of aerobics, dialysis counselling and organ donation drive. A CKD workshop was held on the second day, with special spotlight given on Kidneys and Women’s Health, parallel to this year’s theme. For full report, please refer to the MSN Annual Report 2018.

An Unforgettable Experience
- By Yew Shioung Shiong -

This year, I had the opportunity to attend the APCN which was held in Beijing, China, in conjunction with the Annual Congress of the Chinese Society of Nephrology (CSN). At the conference, I was struck by the size of the attendance. During the opening ceremony, a total of over 5000 participants were packed into a huge makeshift hall the size of a football field, made up by connecting 5 standard conference halls. I was also impressed by the use of mobile applications and technology. For example, live telecast of all major lectures were available via the congress application, enabling participants to have a preview on their own mobile phones, if they are considering which lectures they would like to attend. I had submitted a paper that was written up during my attachment with Professor Toby Coates in Adelaide, Australia to the conference a few months back, and had been accepted as poster presentation.

It was not all boring lectures. It was fun catching up with fellow Malaysians who attended and we had plenty of free time on the last day of the conference to explore Beijing. All in all, it was a wonderful experience and much knowledge has been gained.
The Singapore Malaysia Nephrology forum is a biannual event to promote good relationship between the nephrologists of these two neighbouring countries. This year, a record breaking of over 30 nephrologists and trainees travelled down to Singapore for a weekend of fun, facts and frank exchange of ideas (read: debate).

The forum was held on 18-19th of November 2017. The first day was dedicated to team events focusing on group work, unity and communication skills. There were concentration exercises, drama sketches loosely based on the history of Singapore and smelling and identifying of spices. The scientific program was held over the second day.

Our delegates presented:
1. Randomised, Open-label, Parallel Group, Multi-Centre Controlled Study to Evaluate the Clinical Performance and Safety of Stay Safe Link® in Patients with End-stage Kidney Disease on CAPD by Dato’Dr. Ong Loke Meng.
2. Clinical Course after Parathyroidectomy in Adults with End-Stage Renal Disease on Maintenance Dialysis by Assoc. Prof. Dr. Christopher Lim.
3. The Cost and Utility of Renal Transplantation in Malaysia by Dr. Sunita Bavanandan.

The highlight of this two day event has always been the debate. This year’s topic was “Urgent Start Chronic Peritoneal Dialysis is Better than Urgent Start Chronic Hemodialysis” and we were represented by Dr. Ong Chun Seong, Dr Chew Kwek Foong and Dr Lydia Kamaruzaman. Along with team advisor Dr Nor Fadhlina Zakaria and Dr Anim Md Shah, we manage to bring back the elusive trophy for both Winning Team and Best Debater for Dr Lydia. Congratulations team Malaysia!
Q: Can you tell us a little about yourself, Prof Mehta, personal and academic?  
A: I am currently at University of California, San Diego and have been there since 1988. Prior to that I was in University of Rochester, Rochester New York from 1982. I immigrated to US in 1981 after my Medical School in Amritsar, Punjab. Then I did my MD & DM Nephrology in Postgraduate Institution Medical Education & Research in Chandigarh.

Q: What influenced your interest in Nephrology, particularly AKI-CRRT?  
A: The interest in Nephrology is partly due to my faculty mentor, Dr Chung who is well known in the region. He is dynamic and a very good teacher and he was one of the pioneers in this field. When I finished my MBBS, I thought I was going to be a surgeon, but I ended up becoming a Nephrologist.

Q: What made you choose critical care as a field of subspecialty?  
A: After I completed my residency in internal medicine, I actually was going to do critical care. Noticing I had a keen interest in nephrology as well, the Head of Nephrology approached me and said, “Why don’t you do Nephrology and Critical Care?” So I did a combined fellowship in nephrology and critical care, and that has enabled me to handle a little bit of everything in internal medicine and still do the many procedures that attracted me to critical care in the first place.

Q: Could you tell us a little bit about your background?  
A: I was born in Jamshedpur, India and spent the first years of my life there, after which I migrated along with my family to the United States. During the summer holidays, I would return to India to visit my grandparents and it was then that I learned and mastered the Indian classical dance, Bharathanatyam. I even taught dance professionally. However, once medical school “hit” me, I was unable to continue dancing, so now I teach Zumba instead.

Q: What made you choose critical care medicine?  
A: I was born in Jamshedpur, India and spent the first years of my life there, after which I migrated along with my family to the United States. During the summer holidays, I would return to India to visit my grandparents and it was then that I learned and mastered the Indian classical dance, Bharathanatyam. I even taught dance professionally. However, once medical school “hit” me, I was unable to continue dancing, so now I teach Zumba instead.

Q: What do you enjoy doing in your past time?  
A: I play golf. I used to play tennis but switch to golf 10-12 years ago. I like to read, I like to travel.

Q: I presumed this is not your first time in Malaysia. Do you like Malaysia?  
A: I was in Penang in 2005 for AKI Satellite meeting and in KLCC 2008 for the APCN so this is my third trip to Malaysia. Every time I am here I am fascinated by just the culture as it is very similar to what India is, just the hospitality and warmth. And it feels like home, though it is slightly different in terms of the infrastructure and it is less crowded compared to India. It is one of the friendliest communities.

Q: As a whole, what do you think of the organization of this AKI-CRRT meeting?  
A: With the background of having doubt of MSN, it was phenomenal in terms of what has been achieved in short amount of time and it is reflective of dedication collaboration and collegiality of everybody in the organizing committee. I am very impressed of the way things are being handled. More importantly it has attracted so many people. What’s remarkable is that people who are attending are staying in the conference; they are eager for the information and they are not here to go around in the city.

Q: What are your thoughts about this conference?  
A: I find it amazing. The best part of it all is the enthusiasm of the participants … to see a lecture hall full of participants, that makes me so excited and I just want to teach even more. The organizers too, have been simply phenomenal. They have bent backwards to ensure everything runs smoothly and it is just so well organized. It is one of the best-organized conferences that I have been to, and I mean that from my heart.

Q: And how do find Malaysia?  
A: It’s wonderful and I love it. This is my first time here, and we are extending our stay so I am hoping to see more of Malaysia. I have enjoyed my stay immensely and the food is just amazing.

Q: What are the qualities a young nephrologist should have, if they want to pursue critical care nephrology?  
A: One of the things you cannot do is JUST know the nephrology. You have to know the critical care and if you are working in the environment of cardio thoracic surgery, you have to know the cardiac surgery. Same goes if you are on a transplant unit, you have to know the transplant medicine or else you would not be able to participate as a team.

Q: Critical care nephrology is one of the fast evolving areas of nephrology. Do you think that it a good thing?  
A: I think it is true for all aspects of modern medicine, everything is moving so fast that by the time we get comfortable it becomes obsolete. It is challenging. But we have to be a little bit careful in two things; one hand is that we do not want to be falling victim to every new fad and just adopting things that are not well studied. But on the opposite, we also have to be careful that we are not so stagnant and so unwilling to change our practice based on new data. So, finding a balance between those two things is always a challenge.

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Q: What is your prediction for the next 5 years in critical care nephrology?  
A: The best part of it all is the enthusiasm of the participants … to see a lecture hall full of participants, that makes me so excited and I just want to teach even more. The organizers too, have been simply phenomenal. They have bent backwards to ensure everything runs smoothly and it is just so well organized. It is one of the best-organized conferences that I have been to, and I mean that from my heart.

Q: What do you enjoy doing in your past time?  
A: I play golf. I used to play tennis but switch to golf 10-12 years ago. I like to read, I like to travel.
An Extraordinary General Meeting (EGM) was held on Friday 6th April 2018 at Meeting Room, Level 23A-13, Q Sentral, Kuala Lumpur and was attended by 43 members. The main agenda was to share with the members of the society the revised ‘National Haemodialysis Quality Standards 2018’ and to express appreciation to the efforts made to this policy. The resolution to adopt this was voted unanimously by society members. This has since been accepted and endorsed by our Director General of Health, Datuk Dr. Noor Hisham Abdullah.

We were the host for the 13th Asian Congress of Paediatric Nephrology last 5th-7th October in conjunction with 39th Malaysian Paediatric Association Annual Congress and 2nd IPNA / AsPNA Junior Masterclass. This honourable event was jointly organized with Asian Paediatric Nephrology Association, International Paediatric Nephrology Association, Malaysian Paediatric Association and Malaysian Nephrology Association. About 723 delegates from 43 countries came together for this congress, which was focused around the theme "Paediatric Nephrology: Office Paediatrics to Tertiary Care". About 172 posters were presented, 8 oral nephrology presentations with 9 Best Nephrology Abstract Awards and 6 Young Investigator Awards (Malaysian).
Nephrology Board Examinations

Nephrology Board Examinations were held twice within the past year. The first was held 19th August 2017 at Hospital Selayang. A total of 5 candidates passed the examination.

1. Dr. Chan Fei Sia
2. Dr. Dheepa A/P S. Ramasamy
3. Dr. T Kalaiselvam
4. Dr. Poh Siong Wi (Best Trainee Award)
5. Dr. Norazinizah Bt Ahmad Miswan

The second exam was also held in Hospital Selayang on the 22nd March 2018. A total of 10 candidates passed the examination.

1. Dr. Lee Kian Guan
2. Dr. Mohammad Faisal Bin Asmee
3. Dr. Tee Shin Kuan
4. Dr. Peng Ban Chai
5. Dr. Suhaidarwani Binti Ab Hamid
6. Dr. Wan Hazlina Binti Wan Mohamad
7. Dr. Nurul Zaynah Binti Nordin
8. Dr. Lai Hee Hoe
9. Dr. Phui Vui Eng (Best Trainee Award)
10. Dr. Asiah Binti Usamah

We look forward to your efforts and contributions in managing kidney health in Malaysia.

Recipients of the MSN Research Grant

RM 100,000.00
01 September - 30 November Every Year

The world of nephrology is expanding, but this would not be so without the works of fellow researchers in making sure new knowledge and application are discovered and utilized. In order to promote research among our brilliant nephrologists, a MSN Research Grant Review Committee had been elected on 5th January 2016 to review all grant applications. The members are as below:

1) Associate Prof Dr Lim Soo Kun (Chair)
2) Prof Dr. Goh Bak Leong (Co-chair)
3) Dr. Rosnawati Yahya
4) Dr. Koh Keng Hooi
5) Associate Prof Dr Rozita Mohd

MSN Council has decided to allocate up to RM100,000.00 per year for the research grant. The application can be done online & is opened throughout from 1st September to 30 November every year. The MSN Research Grant Review Committee will submit their recommendation to the council of potential recipients, pending council decision.

Six applications were approved by the council for year 2018:

1. Title: Projection of Microeconomic Consequences Of Chronic Kidney Disease Stage 3-5 To Malaysia Government
   Principal Investigator: Prof Dr Abdul Halim Abdul Gafor
   Centre: University Kebangsaan Malaysia Medical Centre
   Award RM15,000

2. Title: Developing and Evaluating a Smartphone Health Application in promoting medication adherence and self-management in patients with CKD (e-Health in CKD): A pilot study
   Principal Investigator: Dr Thong Kah Mean
   Centre: Hospital Raja Permaisuri Bainun
   Award RM15,000

3. Title: Prevalence of distal renal tubular acidosis amongst calcium kidney stone formers and Nephrocalcinosis
   Principal Investigator: Associate Prof Dr Lim Soo Kun
   Centre: University Malaya Medical Centre
   Award RM10,000

4. Title: Utilisation of HCV Core Antigen in Hemodialysis Patients to Identify Patients Eligible for HCV Treatment
   Principal Investigator: Dr Rosnawati Binti Yahya
   Centre: Hospital Kuala Lumpur
   Award RM30,000

5. Title: The Incidence of Latent TB among Potential Kidney Recipient in Hospital Kuala Lumpur
   Principal Investigator: Dr Mohamad Zaimi Bin Abdul Wahab
   Centre: Hospital Kuala Lumpur
   Award RM20,000

6. Title: Effects of oral calcitriol in the treatment of biopsy-proven IgA Nephropathy
   Principal Investigator: Dr Ruslinda Binti Mustafa
   Centre: University Kebangsaan Malaysia Medical Centre
   Award RM10,000
This year, MSN will be introducing a new prestigious award called “Fellow of MSN”. This is the highest accolade to be awarded by Malaysian Society of Nephrology. This group of distinguished and celebrated nephrologists is the embodiment of all the tireless effort and contribution to the Malaysian landscape of nephrology.

The criteria of being awarded “Fellow of MSN” are as follows:

**Prerequisite**
- A Life Member of MSN for 12 years;
- Malaysian citizen;
- Non-citizens can be nominated as Honorary Fellow if they have fulfilled other criteria and have made important contributions to MSN;
- Limited to <15% of total number of members at any one time.

**Criteria (3 Domain)**

1. Contribution to MSN Society / National Level:
   - a) President or Past President;
   - b) Chair of NRR, Editor / Past Editor of the Malaysian Dialysis and Transplantation Registry, Malaysian Registry of Biopsy, or Chair of Malaysian Organ Sharing System.

2. Administrative and Service to Nephrology in the country at Society / National level:
   - a) Pioneer of the society;
   - b) National Head / Advisor of Nephrology;
   - c) Chair (Organising) of established international nephrology related scientific meeting / congress;
   - d) Scientific Chair of established international nephrology related scientific meeting / congress;
   - e) President / Advisor of established international nephrology related scientific.

3. Training and Research:
   - a) Actively involved in training and has trained > 10 nephrologists for the country;
   - b) Actively involved in research and has published > 10 scientific papers in peer review indexed journals.

★ Any Life Member of MSN for >12 years who fulfil at least 2 out of 3 of the above domains is eligible for Nomination.
★ Any Life Member of MSN for >15 years is eligible for nomination if proposed by at least 2 Senior Fellows (> 4 years).

The inaugural ceremony of awarding “Fellow of MSN” will be at this year’s 34th Annual Congress of Malaysian Society of Nephrology.

See you there!

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**FELLOW’S BIOGRAPHY**

**Tan Sri Dato’ Dr Abu Bakar Suleiman**

Dr Abu Bakar Suleiman attended Malay College Kuala Kangsar, St John’s Institution, Kuala Lumpur and Geelong Grammar School in Victoria, Australia and obtained his MBBS from Monash University, Australia. He obtained the Masters of Medicine (Internal Medicine) from the University of Singapore. He did his postgraduate training in Nephrology at Georgetown University Hospital, Washington DC (USA) and Prince Henry’s Hospital in Melbourne (1975-1976). He attended the Advanced Management Program at Harvard Business School in 1991. He started and developed the Nephrology and Dialysis services at Hospital Kuala Lumpur and many other hospitals in the country. He developed the Malaysian network of dialysis centers in the government hospitals as well as in the community with the support of donors and non-governmental organization. He also developed the Renal Transplantation services at Hospital Kuala Lumpur. He was the founding president for Malaysian Society of Nephrology in 1984 and founding president for Malaysian Society of Nephrology from 2002 to 2004. He was the Organizing Chair for the 6th Asian Colloquium in Nephrology in 1985. He has trained many of our current distinguished nephrologists and was chairman of the National Specialist Register for the years 1983 -1984. He became Director General of Health Malaysia from 1991 to 2001. He is currently the Emeritus President / Chairman of International Medical University, as well as President Board of Governors for National Kidney Foundation.

**Datuk Dr Ghazali Ahmad**

Datuk Dr Ghazali Ahmad served as the Head and Senior Consultant at the Department of Nephrology, Hospital Kuala Lumpur from 2006 until his retirement recently. He was appointed National Advisor and Head of Service for Nephrology, Ministry of Health Malaysia from 2008-2014. In 2000-2002, he served as the President of the Malaysian Society of Nephrology and is currently the President for Malaysian Society of Transplantation. He was President for the 9th Congress of International Society of Haemodialysis 2015 and Advisor for the 1st Asia Pacific AKI CRRT Congress in 2017. He was one of the editors of the 1st, 2nd and 3rd Edition Renal Replacement Therapy: Clinical Practise Guideline Ministry of Health, Malaysia. He was the Chairperson of the Review committee for the Management of Chronic Kidney Disease in Adults: Clinical Practise Guidelines 2011. He was Chairman of the Advisory Committee, National Renal Registry from 2008-2018. He was a committee member of Malaysian Dialysis and Transplantation Registry (MDTR) in 1993, a committee member of EMOS (Malaysian Organ Sharing System) for several years until 2018 and served as an expert panel member of several chapters for the Malaysian Transplant and Dialysis Registry. He recently chaired the credentialing committee for the National Specialist Register. Dr Ghazali is admired by many for his passion and drive in improving nephrology services. He has trained many young nephrologists and regularly examines for the Malaysia Nephrology Exit examinations.

**Dr Lim Yam Ngo**

Dr Lim Yam Ngo graduated in 1982 from University of Malaya. She obtained MRCP from the Royal Colleges of Physician of UK (Paediatrics) in 1988 and FRCP in 2010. She worked as a Consultant Paediatric Nephrologist at Hospital Kuala Lumpur from 1992 to 2017 and was the Head of Paediatric Nephrology Unit from 1994 to 2017. She was the President of Malaysian Society of Nephrology from 2002 to 2004, a committee member of EMOS (Malaysian Organ Sharing System) until 2018 and served the National Renal Registry committee. She was Co-Chairperson of the Organising Committee of the 11th Asian Pacific Congress of Nephrology 2008. She was the Co-Editor of Malaysian Dialysis and Transplant Registry from 1997 to 2014 and also the editor for SHARE newsletter, National Kidney Foundation from 2005 to 2010. She was one of the editors for the 2nd and 3rd Edition Renal Replacement Therapy: Clinical Practise Guidelines Ministry of Health Malaysia. Throughout her career she has trained many paediatricians, general and nephrology alike. She is an examiner for MRCPCH examination. She is currently a Consultant Paediatric Nephrologist with Prince Court Medical Centre.
Dr Dato’ Dr Zak Morad

Dato’ Morad graduated from the University of Malaya in 1975 and after obtaining his MRCP from the Royal Colleges of Physician of UK trained in nephrology in both UK and Malaysia. He joined the Department of Nephrology HKL as a consultant in 1982 and became its head in 1987 till his retirement from government service in 2006. He was appointed as National Advisor and Head of Service for Nephrology, Ministry of Health Malaysia for the same period. He was President of Malaysian Society of Nephrology for the year 1990–1992. During his tenure, he initiated and developed the Malaysian Dialysis and Transplant Registry and the Malaysian Registry of Renal Biopsy which later became National Renal Registry of which he was chair for the years 2008–2010. He was one of the editors of the 1st and 2nd Edition Renal Replacement Therapy: Clinical Practice Guidelines Ministry of Health. He expanded the haemodialysis and peritoneal dialysis facilities to all the general and large district hospitals prior to his retirement.

Dato’ Zaki lent his expertise in organising many prestigious conferences such as the 12th Asian Colloquium in Nephrology 1998, 8th Congress of Asian Society of Nephrology 2003, 11th Asia Pacific Congress of Nephrology 2008 and 14th Congress of ISPD 2012. He has trained many prominent nephrologists, having initiated the development of a more structured training program. He also examines for MRCP Paces UK. Following his retirement, he continues his interest in nephrology through his work in the National Kidney Foundation where he is presently the chairman. He also practices as a consultant Nephrologist in a private hospital in Kuala Lumpur.

Dr Dato’ Dr Tan Chwee Choon

Dato’ Dr Tan completed his nephrology training at Hospital Kuala Lumpur and Western Infirmary, Glasgow in 1995. He was posted to Hospital Tengku Ampuan Rahimah, Klang in 1997 where he served till his retirement in 2017. As the first Ministry of Health nephrologist in the state of Selangor, he was instrumental to the development of dialysis services in many of the smaller hospitals all over Selangor. Dr Tan was appointed as the National Advisor and Head of Service for Nephrology, Ministry of Health from 2014 to 2016. Dr Tan was the President of the Malaysian Society of Nephrology for the years 2006–2008. He had served as a board member of the National Kidney Foundation and a council member of the Malaysian Society of Transplantation for more than a decade. He was Co-Chairperson of the Organising Committee of the 11th Asian Pacific Congress of Nephrology 2008. He served the National Renal Registry committee and was one of the editors for the 2nd and 3rd Edition Renal Replacement Therapy: Clinical Practice Guidelines Ministry of Health Malaysia. He also played a key role as one of the editors of the commemorative book, Nephrology in Malaysia – Celebrating 50 Years of Progress.

Dr Dr Fan Kin Sing

Dr Fan Kin Sing graduated in 1980 from University of Malaya. He obtained MRCP from the Royal College of Physician of UK in 1981 and FRCP in 1987. He was President of Malaysian Society of Nephrology for the years 1998-2000. He was the Organising Chairman of 14th Congress of ISPD 2012 and the 3rd Satellite Symposium World Congress Nephrology 2005: Acute Renal Failure. He is a committee member of EMOSS (Malaysian Organ Sharing System) for several years until 2018. He has served on the credentialing committee for the National Specialist Register and as an examiner for the Malaysian Nephrology Exit Examinations. He contributed to the 1st Edition Renal Replacement Therapy: Clinical Practice Guideline Ministry of Health Malaysia and was contributing author and expert panel for Malaysian Transplant and Dialysis Registry (chronic kidney disease-metabolic bone disorder and renal transplant chapter). He served on committees for National Guidelines for Malaysian Hypertension Consensus 1998 and 2007 and Guidelines on Haemodialysis Centres in 2012 and 2016. He also participated in the training of dialysis nurses between the years 1990-1995. He is currently a Consultant Nephrologist in Gleneagles Kuala Lumpur Medical Centre.

Dr Dr Syama Prasad Menon

Dr Syama Prasad Menon graduated in 1978 from India. After obtaining his MRCP from the Royal College of Physician of UK, he was trained in Nephrology in both United Kingdom and Malaysia. He was a consultant nephrologist in Hospital Kuala Lumpur from 1988 to 1991. He received an award as honorary lecturer from Faculty of Medicine, Universiti Sains Malaysia from 1983 to 1984 for his services in educating young doctors. He was the President of Malaysian Society of Nephrology from 1996 to 1998 and was a member of National Specialist Register credentialing committee until January 2018. He served on the committee of National Renal Registry for several years. He was President for the 12th Asian Colloquium on Nephrology in 1999. He is a contributing author and expert panel for the Malaysian Transplant and Dialysis Registry (blood pressure control and dyslipidaemia chapter and renal transplant chapter). He is a regular examiner for MRCP Paces UK and Malaysia Nephrology Board Examinations. He is currently a Consultant Nephrologist with Ramsay Sime Darby Subang Jaya Medical Centre.

Dr Emeritus Professor Datin Dr Norrella Kong

Emeritus Professor Datin Dr Norrella Kong graduated from Monash University Australia in 1974. She was the founder and the Head of Nephrology services in HUKM for the year 1997-2008. She was President of Malaysian Society of Nephrology for the years 1992–1994 and served as founder, past Vice President & Medical Advisor to the Malaysian Systemic Lupus Erythematosus (SLE) Association. She was the scientific chair for the 3rd Satellite Symposium, World Congress of Nephrology 2005 on Acute Renal Failure. Datin Norella has contributed to the development and expansion of medical education in both General Medicine and Nephrology in our country. She fought for the establishment of the first National Physician Training Programme at the Faculty of Medicine UKM, the National Subspecialty Nephrology Training Programme under the Nephrology Board of Malaysia (National Specialist Registry) and the Post Basic Renal Nursing Course. She served on multiple boards and is currently the Professor Emeritus (Nephrology), Faculty of Medicine, UKM and ongoing Clinical Teacher of MMED (Int Med) at PPUKM. Datin Norella is well respected internationally as a researcher. She has published 2 text books, a book chapter, produced 3 academic DVDs, published more than 100 scientific articles in both local and international journals and presented over 200 abstracts at conferences throughout the world. Prior to her retirement, she was the authority on SLE in our country as well as internationally.

Dr Dr Hooi Lai Seong

Dr Hooi trained in nephrology in Edinburgh and Kuala Lumpur before returning to Hospital Johor Bharu in 1988. Throughout her illustrious 30 year career, she was the Head of the Department of Medicine in 2005, the technical adviser for Internal Medicine for the state of Johor from 2006 – 2017 and nephrology technical adviser for Johor from 2006. She was instrumental in the development of dialysis services all over Johor. She was President of Malaysian Society of Nephrology for the years 2004-2006. In 2016, she was appointed National Advisor and Head of Service for Nephrology, Ministry of Health, Malaysia. She held the position of Editor of the National Transplant Registry (2005 – 2017) and is one of the editors for the 2nd, 3rd and 4th edition of Renal Replacement Therapy: Clinical Practice Guidelines Ministry of Health Malaysia. She was the organising chair for 3rd Satellite Symposium World Congress of Nephrology 2005: Acute Renal Failure and was scientific chair for many prestigious conferences such as 11th Congress of APCN 2008, 14th Congress of ISPD 2012, 9th Congress of ISPD 2015 and APAC AKI CRRT Congress 2017. Dr Hooi has more than 40 publications in peer reviewed journals. The paper she is most proud of is her paper on Prevalence of Chronic Kidney Disease in Malaysia published in Kidney International in 2013. She was one of the investigators in the Study of Heart and Renal Protection (SHARP) study. She is a regular examiner for MRCP Paces UK and Malaysia Nephrology Board Examinations. She currently sits on the nephrology credentialing committee for the National Specialist Register.