

# CoR Newsletter

Issue 2  
June 2022



## College of Radiology Office Bearers 2020 - 2022

### President

*Prof. Dr Norlisah Mohd Ramli*

### Immediate Past President

*Dr Amir Fuad Hussain*

### Vice President-Oncology

*Dr Muhammad Azrif Ahmad Annuar*

### Vice President-Nuclear Medicine

*Dr Mahayuddin Abdul Manap*

### Vice President-Radiodiagnosis

*Dr Naveen Rajadurai*

### Honorary Secretary

*Dr Shantini A. Arasaratnam*

### Honorary Treasurer

*Dr Sivakumaran Karupayah*

### Elected Council Member

*Dr Thajunnisa Hassan Mohd*

### Elected Council Member

*Dr Jeyaledchumy Mahadevan*

### Elected Council Member

*Dr Thanuja Mahaletchumy*

### Elected Council Member

*Prof. Dr Kartini Rahmat*

## College of Radiology Special Interest Groups (SIGs)

### Co-opted Council Member

*SIG Neuroradiology*

*Dr Hilwati Hashim*

### Co-opted Council Member

*SIG Molecular Imaging*

*Dr Farhana Fadzli*

### Co-opted Council Member

*SIG Breast Imaging*

*Dr Vijayalakshmi Krishnapillai*

### Co-opted Council Member

*SIG Interventional Radiology*

*Dr Nur Adura Yaakup*



## Editor's Note (Prof Dr Norlisah Mohd Ramli)

Assalamualaikum and a Good Day to my colleagues.

Our appreciation and thanks to the contributors of the past Issue 1 - Mar 2022, Dr Mawaddah Abdul Malik, Assoc Prof Dr Thajunnisa Hassan Mohd, Dr Zaharudin Haron, Dr Noor Azlin Ahmad, Dr Nur Izani Abu Hassan, Dr Muhammad Azrif Ahmad Annuar, Dr Mahayuddin Abdul Manap, Dr Muhammad Adib Abdul Onny and Dr Naveen Rajaduria for their articles and updates.

CoR Newsletter is published quarterly by the College of Radiology, Academy of Medicine of Malaysia. Our goal is for it to be 'by our members for our members. It will highlight CoR events and activities, educational case series, stories and achievements of our members, enabling us to be closer together as a community. Members are welcome to contribute articles suitable for **CoR Newsletter**. Please submit to [secretariat@radiologymalaysia.org](mailto:secretariat@radiologymalaysia.org) - for appropriateness, only articles vetted and approved by the editor will be published.

Dreadful to think, but conceivably, the nation will be facing a daunting Covid-19 third-wave battle, and at the current time, the numbers are already alarmingly on the rise. The world has been tirelessly facing and challenging Covid-19 for a while now, and it will be long before everyone can reclaim that lost comfort to relax, breathe easy and be safe again. We pray for everyone in the world, especially the frontliners of various professions, to be strong and keep the faith.

We come to our current Issue 2 - Jun 2022 of the **CoR Newsletter**. For your reading pleasure, this issue brings you articles on the "National Occupational Skills Standard (NOSS) for Medical Sonography", "MSK Imaging Highlights", "Continuing Professional Development (CPD)", an introduction to MyRAD as well as congratulatory notes to 2 members for their achievements.

To our Muslim colleagues, "Selamat Hari Raya Aidiladha" that is coming up around the corner and to all others, "Enjoy the Holiday". Take care, everyone, and stay safe always!

Co-opted Council Member  
SIG Cardiac Imaging  
*Dr Noor Khairiah A. Karim*

Co-opted Council Member  
SIG Body Imaging  
*Dr Zaharudin Haron*

Co-opted Council Member  
SIG Musculoskeletal Imaging  
*Dr Maizatul Jamny Mahmood*

Co-opted Council Member  
SIG Paediatric Imaging  
*Dr Hasyima Abu Hassan*

Co-opted Council Member  
SIG Chest Imaging  
*Dr Mohammad Hanafiah Kreeh*

Co-opted Council Member  
Head of Services  
*Dr Yun Sii Ing*

#### **CoR Newsletter Editorial Team**

*Editor:*  
*Prof. Dr Norlisah Mohd Ramli*

*Editorial Assistant:*  
*Ms. Lesley Whitelaw*



#### **PROFESSOR DR NG KWAN HOONG**

Prof Dr Ng Kwan Hoong, from University Malaya, was elected as a Fellow of The World of Academy Sciences (TWAS) effective 1 January 2022. TWAS is a global science academy for advancing science in developing countries and supports sustainable prosperity through research, education, policy, and diplomacy.



Prof Dr Ng had won the Marie Sklodowska-Curie Award for his work in medical physics, which was given by the International Organisation for Medical Physics during the World Congress on Medical Physics and Biomedical Engineering in Prague on 3-8 June 2018.

Also, in 2018, Prof Dr Ng was among the four recipients honoured with the Merdeka Award under the Outstanding Scholastic Achievement category for his contribution to breast cancer research and medical physics toward a more sustainable Malaysia.



#### **PROFESSOR DR SAIFUL NIZAM BIN ABDUL RASHID**

Professor Dr Saiful Nizam bin Abdul Rashid has recently obtained a PhD in Forensic Radiology from UPM and focuses on PMCTA.

Professor Dr Saiful is the head and Consultant Clinical Radiologist at the Imaging Services Department, Park City Medical Center (Ramsay Sime Darby Group). He was a senior medical lecturer, general radiologist and forensic radiologist at the Faculty of Medicine & Health Sciences, Universiti Putra Malaysia (UPM) and Consultant Forensic Radiologist at the National Institute of Forensic Medicine (IPFN), Hospital Kuala Lumpur.

He graduated from the University of Malaya (UM) with basic degree of Medical Bachelor & Bachelor of Surgery (MBBS) in 1997 and Master of Radiology (MRad UM) in 2008, and completed subspecialty training in Forensic Radiology at the Institute of Forensic Medicine, University of Zurich (UZH), Zurich, Switzerland in 2012-2013 and attended a short clinical attachment in Forensic Radiology at the Victoria Institute of Forensic Medicine (VIFM), Monash University, Melbourne, Australia in 2011.



“It took me six years to finish everything and wait two more years for graduation due to the MCO. The headache, heartache, tears and frustration that I went through all these years as it is not an easy task juggling your work as a private radiologist, family and your thesis simultaneously. It does not matter how long it takes or the results that count, but the journey, the climb and the experience were priceless. I hope this will motivate others to pursue their dreams. I also hope to see more Malaysian radiologists with PhD in the future. Believe in yourself, work hard, pray, and leave the rest to Him. Finally, age is just a number”.

## MALAYSIAN SOCIETY OF RADIOLOGISTS



During the College of Radiology Annual General Meeting held on 11 June 2022 at the Hilton Hotel Petaling Jaya, the establishment of the “Malaysian Society of Radiologists” under the Registrar of Societies (ROS) on 18 March 2022 was announced.

The main point for the formation of MyRAD is for the College of Radiology to have a sister society that is officially under ROS and is not governed by the constitution of the Academy of Medicine of Malaysia (AMM).

MyRAD will be the **educational arm** of CoR, particularly for Diagnostic Radiologists, since Nuclear Medicine, Oncology, and Interventional Radiology have already established their societies.

***Enhancing Radiology  
Elevating Learning***

### MyRAD Council Members term 2022 - 2023

|                               |                                      |
|-------------------------------|--------------------------------------|
| President                     | Prof Dr Norlisah Mohd Ramli          |
| Vice-President                | Dr Naveen Rajadurai                  |
| Honorary Secretary            | Dr Shantini A. Arasaratnam           |
| Honorary Treasurer            | Dr Sivakumaran Karupayah             |
| Council Member (Selangor)     | Assoc Prof Dr Thajunissa Hassan Mohd |
| Council Member (Selangor)     | Dr Jeyaledchumy Mahadevan            |
| Council Member (Selangor)     | Prof Dr Kartini Rahmat               |
| Council Member (Kuala Lumpur) | Assoc Prof Dr Amir Fuad Hussain      |
| Council Member (Penang)       | Dr Zainariah Mohd Zain               |
| Council Member (Pahang)       | Dato Dr Humairah Abdul Samad         |
| Council Member (Melaka)       | Dr Ng Seng Man                       |
| Council Member (Sabah)        | Dr Fatimah @ Hartina Hussin          |
| Council Member (Sarawak)      | Assoc Prof Dr Ahmad Tirmizi Jobli    |

In the next CoR Newsletter Issue 3 (Sep 2022), we will update on the MyRAD membership procedure and requirement (transition of CoR members criteria and application) and the initial planning of educational activities as we meantime endeavour to progressively steer both societies (CoR and MyRAD) towards their respective roles, aims and visions.

\*\*\*\*\*

## NATIONAL OCCUPATIONAL SKILLS STANDARD (NOSS) FOR MEDICAL SONOGRAPHY

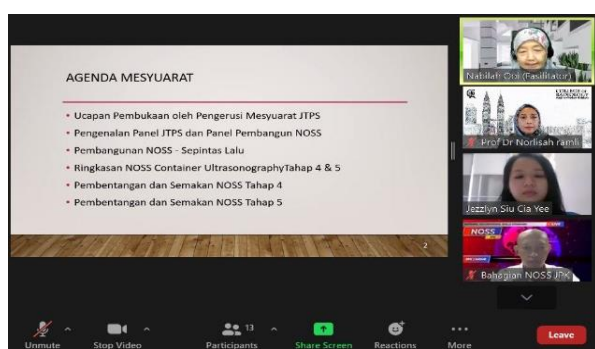
The meeting on Standard Practice - National Occupational Skills Standard (NOSS) for Medical Sonography Level 4 and Level 5 between the Standard Development Committee and the Standard Technical Evaluation Committee was held virtually on 12 April 2022 and hosted by Bahagian NOSS, Jabatan Pembangunan Kemahiran, Kementerian Sumber Manusia. The committee members were selected from industry backgrounds.

The objective of the development of this NOSS is to provide a national occupational standard for the profession to use as a reference to align sonographer qualification requirements with nationally adopted certificates of competence, charter career path, create training programmes, the benchmark for best practices and solicit recognition from both public and private sectors regulatory bodies.

In addition to curriculum development and training, this standard will also be used as the primary reference to accomplish the other equally pertinent actions in the pipeline, including the enactment of a Sonographer Act formation of the Board of Sonographers, which will also act as a licensing board, and to obtain formal recognition by the Ministry of Health to create a sonographer position in the ministry.

Sonographers are integral members of the healthcare team and interact extensively with other healthcare professionals to provide essential information for diagnosis and patient care.

The College of Radiology's President, Prof Dr Norlisah Mohd Ramli, was invited as one of the Evaluation Committee. The committee evaluates the Standard Practice and Standard Content document. The next meeting to be held will determine the Curriculum of the Competency Unit.



### 12. Standard Development Committee

#### MEDICAL SONOGRAPHY

##### LEVEL 4

| NO                       | NAME   | POSITION & ORGANISATION  |
|--------------------------|--|--|
| <b>DEVELOPMENT PANEL</b> |  |  |
| 1                        | Professor Dr Nur <del>Amrah</del> binti Abdul Ghani            | Consultant Paediatrics Adolescent Gynaecologist<br>Head of Department<br>Department of Obstetrics and Gynaecology<br>Faculty of Medicine<br>Universiti Kebangsaan Malaysia |
| 2                        | Associate Professor Dr Faizah binti Mohd Zaki                  | Consultant Paediatric Radiologist<br>Department of Radiology<br>Faculty of Medicine<br>Universiti Kebangsaan Malaysia  |
| 3                        | Associate Professor Dr <del>Habibah</del> Binti Abdul Hamid    | Consultant Reproductive Medicine<br>Department of Obstetrics and Gynaecology<br>Faculty of Medicine and Health Sciences<br>Universiti Putra Malaysia                       |
| 4                        | Associate Professor Dr <del>Julina</del> @Azimah binti Md Noor | Consultant Emergency Physician<br>Department of Emergency Medicine<br>Faculty of Medicine<br>Universiti Teknologi MARA   |
| 5                        | Associate Professor Dr <del>Sofiah</del> binti Sulaiman        | Consultant Ego-Maternal Medicine<br>Department of Obstetrics and Gynaecology<br>Universiti Malaya  |
| 6                        | Associate Professor Dr <del>Suzaina</del> Binti Mohamad Saini  | Deputy Director<br>Consultant Radiologist (Musculoskeletal Imaging)<br>Centre of Diagnostic Nuclear Imaging<br>Universiti Putra Malaysia                                   |
| 7                        | Dr Lenny <del>Suryani</del> binti Saifi                        | Consultant Vascular Surgeon<br>Department of Surgery<br>Faculty of Medicine<br>Universiti Kebangsaan Malaysia  |
| 8                        | <del>Noorjauan</del> binti Yahya                               | Science Officer<br>Sonographer<br>Egta-Maternal Medicine Unit<br>Department of Obstetrics and Gynaecology<br>Faculty of Medicine<br>Universiti Kebangsaan Malaysia         |
| 9                        | <del>Norliaula</del> Dawuni                                    | Medical Laboratory Technologist<br>Department of Cardiology  |

|                    |                            |  |
|--------------------|----------------------------|--|
| 10                 | Jezlyn Sui Cia Yee         | Faculty of Medicine<br>Universiti Teknologi MARA<br>Founder and Director<br>Sonographer<br>Sonohex Ultrasound Sdn Bhd<br>Sonosision Ultrasound Sdn Bhd |
| 11                 | Joey Pang Siew Cheng       | Clinical Application Leader, ASEAN<br>Sonographer<br>GE Healthcare   |
| 12                 | Ong Suan Lee               | Head of Department<br>Sonographer and Radiographer<br>Department of Diagnostic Imaging<br>Pesang Adventist Hospital                                    |
| 13                 | Anson binti Ismail         | Senior Sonographer<br>Freelance  |
| <b>FACILITATOR</b> |                            |  |
| 1                  | Nabilah Oja binti Abdullah | CIASF/PPL/FDS-0119/2013  |

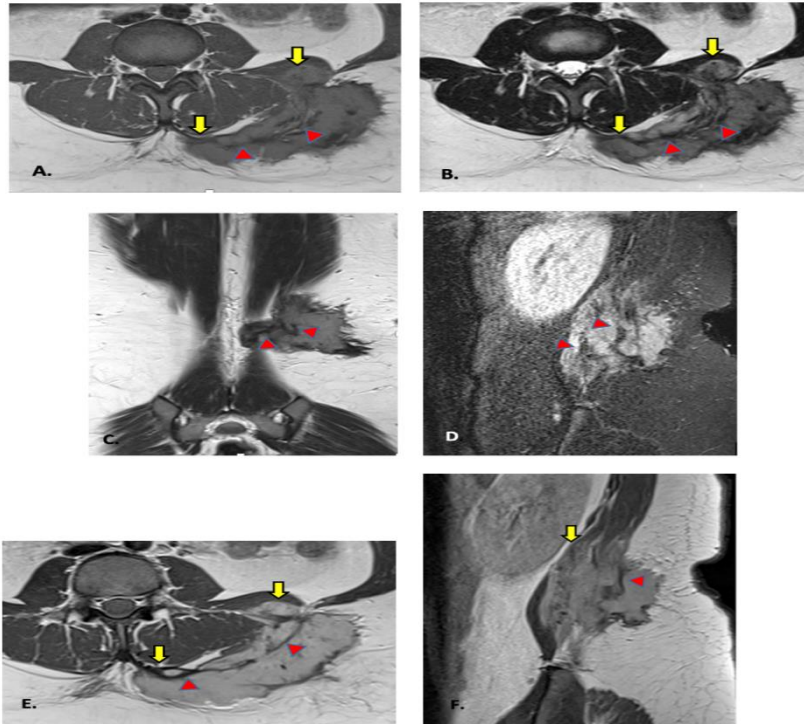
\*\*\*\*\*



## MUSCULOSKELETAL IMAGING HIGHLIGHTS

Article contributed by: **Dr Siti Hajar bt Omar**      **Dr Maizatul Jamny Mahmood**  
**Hospital Kuala Lumpur**      **Hospital Kuala Lumpur**

History: A 24-year-old housewife was referred for the MRI evaluation of a palpable, painless lower back mass. She had noticed the swelling for the past two years, but it has progressed in size in the past three months. On examination, she had a palpable, hard, painless mass that was adhered to the right lower back region.



MRI images of the right lower back.

**A.** Axial T1W shows an irregular intermediate lesion with low signal bands (arrowheads) infiltrating the underlying fascia, right erector spinae and quadratus lumborum lumbar muscles (arrow).

**B** Axial T2W shows an irregular heterogeneous hyperintense lesion with low signal bands (arrowheads) infiltrating the underlying fascia and right paravertebral muscles (arrow).

**C & D** Coronal T2W and sagittal STIR again show the intralésional low signal bands (arrowheads) and lack of surrounding subcutaneous oedema.

**E & F** Axial and sagittal T1W post gadolinium showing the mass is enhancing with non-enhancing intralésional low signal intensities (arrowheads) infiltrating the underlying fascia and right paravertebral muscles (arrow).

Differential diagnosis:

1. Desmoid type fibromatosis
2. Soft tissue sarcoma (fibrosarcoma)

### Final diagnosis: Fibromatosis

Fibromatosis, also known as desmoid tumours, represents a group of fibroblastic proliferation that vary from benign to locally aggressive growth but does not metastasise (1-3).

## Epidemiology

Occurs most frequently in patients in the 2nd to 4th decades of life. An estimated two to four people per million population are affected by this lesion with female predilection (1-3).

## Clinical presentation

Typically manifests as a deep-seated, poorly circumscribed soft tissue mass with slow, insidious growth and usually painless lesions. The most common sites include the abdominal wall and cavity, chest wall, scapular area and the limbs. Less frequently, intra-abdominal forms are associated with familial adenomatous polyposis or Gardner's syndrome. Other reported symptoms include decreased joint mobility and neurologic complaints (numbness, tingling, sharp pain, or motor weakness) but are less frequent (1, 4).

## Pathologic feature

At gross pathologic examination, these lesions are usually solid, firm, coarsely trabeculated, whitish masses resembling scars and have a gritty texture when cut. Histopathologically, they are composed of uniform spindle-shaped cells and often form poorly defined fascicles within a collagenous stroma. The degree of cellularity is generally moderate; however, the extent of cellularity and collagen varies. Keloidal-like collagen may be present (1, 5).

## Imaging features

Cross-sectional imaging modalities, especially magnetic resonance imaging (MRI), are the modality of choice to detect, characterise and show the extension of these tumours into adjacent tissues.

MRI findings include heterogeneous iso- to hyperintense masses on T1- and T2-weighted sequences with the presence of hypointense signals or bands. The highly variable signal reflects the proportion of cellular and fibrotic components. These low-signal-intensity bands are common (62%–91% of cases) in desmoid type fibromatosis, compared with other neoplastic lesions, although they are not specific to fibromatosis. They are related to the collagenised, hypocellular bands seen at gross pathologic examination (1, 6). The lesions may be well defined (49%–54% of cases) or have irregular infiltrative margins (46%–51%) (1,5,6). The fascial tail sign, linear extension along fascial planes, is also a common manifestation of this lesion (83% of cases) (1,6).

## Treatment

The primary therapeutic modality is excision. Fibromatosis tumours are significantly associated with high recurrence levels when compromised surgical margins. Other modern options are radiotherapy, anti-estrogenic drugs, non-steroidal anti-inflammatory drugs, cytotoxic chemotherapy, and tyrosine kinase inhibitors (7).

## References:

1. Mark D. Murphey, Chad M. Ruble, Sean M. Tyszkowski, Andrew M. Zbojniewicz, Benjamin K. Potter, and Markku Miettinen. Musculoskeletal Fibromatoses: Radiologic-Pathologic Correlation: RadioGraphics, 2009. 29:7, 2143-2183
2. Fletcher CDM, Unni KK, Mertens F. Pathology and genetics of tumours of soft tissue and bone. Geneva, Switzerland: World Health Organization, 2002
3. Kransdorf MJ, Murphey MD. Benign fibrous and fibrohistiocytic tumors. In: Imaging of soft tissue tumors. Philadelphia, Pa: Lippincott Williams & Wilkins, 2006; 189–256.
4. Obeidin F, Alexiev B. Fibromatosis - desmoid type. PathologyOutlines.com website. <http://www.pathologyoutlines.com/topic/softtissuefibromatosisdeep.html>. Accessed 18 June 2020
5. Ganeshan D, Amini B, Nikolaidis P, Assing M, Vikram R. Current update on desmoid fibromatosis. J Comput Assist Tomogr, 2019. 43(1):29–38
6. Lee S-H, Lee H-K, Song J-S, Jeong H-S. Chest wall fibromatosis in the axilla. Arch Plast Surg, 2012. 39(2):175–177.

\*\*\*\*\*

## **CONTINUING PROFESSIONAL DEVELOPMENT (CPD)**

**Article contributed by  
Assoc Prof Dr Thajunissa Hassan Mohd  
KPJ Damansara Specialist Hospital**

CPD is any learning outside of undergraduate education or postgraduate training that helps to maintain and improve performance, the development of knowledge, skills, attitudes and behaviours across all areas of professional practice. It includes both formal and informal learning activities. Participation in CPD is an individual's ethical responsibility to keep abreast with the latest development in a particular field of practice.

The Medical (Amendment) Act 2012 and Medical Regulations 2017 requires evidence of enough CPD points to renew APC. Effective CPD helps to anticipate and respond to the changing demands in one's practice. It enables us to keep up to date and fit to practise and maintain our professional standards throughout our careers. CPD ensures the public that we are up to date and competent in all our work.

### **What is the CPD Point System?**

- The CPD point is a mechanism for recording CPD based on your time in the educational activity.
- The CPD point system facilitates an organised approach to recording your attendance at educational activities.
- All CPD points for APC application shall be awarded based on the MMC-CPD Grading system.
- You are required to show evidence that you have acquired sufficient CPD points for the renewal of your APC. There must be documented evidence such as a certificate of attendance, letter of attestation, synopsis (for self-study activities) etc.
- You may use any CPD point collection systems (MMA, MOH or AMM systems) that the Council has approved to record and monitor your CPD points.
- You shall take responsibility for recording and monitoring your CPD activities.
- The CPD record should accurately reflect the CPD activities you have attended.
- All CPD points for APC application shall be awarded based on the MMC-CPD Grading system.

### **CPD Requirement for APC Renewal**

A minimum of 20 CPD points is required per CPD year for the renewal of APC.

The collection of CPD points for the application of APC for a CPD year shall be from 1st July to 30th June, e.g. CPD points for the application of APC for 2022 shall be from 1st July 2020 to 30<sup>th</sup> June 2021.

No maximum limit to the number of CPD points a medical practitioner may obtain in the given CPD year.

Extra CPD points earned in a CPD year cannot be carried over to the following year.

If for some reason, you decide to take a break in your career, you are expected to keep updated and participate in CPD if you seek to maintain your APC.

### **MMC-CPD Grading System**

It is a point-based system that records CPD activities based on the time spent on an activity and its impact on the medical practitioner's practice.

The Council, in consultation with the Ministry of Health, the Malaysian Medical Association and the Academy of Medicine of Malaysia, has identified several different types of learning that count as CPD activities.

The range of learning activities that count have been grouped into eight categories (A1 to A8).

All Registered Medical Practitioners are encouraged to attend a range of different types of learning activities.

All CPD points for APC application shall be awarded based on the MMC-CPD Grading system.

## AMM Medical Specialist CPD System

The Academy of Medicine of Malaysia has been tasked to administer and manage the CPD for medical specialists in the country.

CPD system for the NSR specialist is linked to the registration on the Specialist Register. One can claim CPD activities specific to one's a speciality/field of practice through the CPD system for specialists; (Category of A1, A2, A5a, A5e, A7a & A7c)

MMC has not made it a requirement to claim speciality-related CPD points. However, specialists are encouraged to participate in speciality-related CPD events.

CPD points are compulsory for APC Renewal purposes.

## AMM & MMA

AMM Medical Specialist CPD and MMA CPD are different organisations and are not linked. Specialists can claim from either one of the systems for APC renewal purposes.

As NSR Specialists, we are encouraged to capture our CPD activities with the AMM Medical Specialist CPD system. However, the CPD points captured will not be automatically reflected in the MMA CPD system.

## SUMMARY:

CPD Administrators linked with the MERITS system:

- Bahagian Perkembangan Perubatan, KKM (MyCPD system)
- The Academy of Medicine Malaysia (AMM Medical Specialist CPD system)
- The Malaysian Medical Association (MMA CPD system)

CPD points are compulsory for APC Renewal, not NSR Renewal.

NSR specialists are encouraged to capture CPD activities under individual specialities.

NSR Specialists can choose only one system, AMM or MMA, to capture CPD points for APC renewal.

## The MMC-CPD Grading System (effective 1<sup>st</sup> July 2020)

*The MMC-CPD Grading System  
(effective 1<sup>st</sup> July 2020)*

| Category | CPD Activity Description   |   | Credit Points   |
|----------|--|---|-----------------|
| A1       | Scientific Meetings/Congress   |   |                 |
|          | a.   | Half day (2-4 hours)  | 4 points        |
|          | b.   | Full day (5-8 hours)  | 8 points        |
|          | c.   | 2 full days   | 16 points       |
|          | d.   | 3 or more full days   | 20 points (max) |
| A2       | Workshops/Courses/Skill Courses including ATLS/CCrISP/CPR/ACLS/ALS/PALS/NRP/MTLS |   |                 |
|          | a.   | Half day (2-4 hours)  | 4 points        |
|          | b.   | Full day (5-8 hours)  | 8 points        |
|          | c.   | 2 full days   | 16 points       |
|          | d.   | 3 or more full days   | 20 points (max) |
| A3       | Work-based Learning  |   |                 |
|          | a.   | Hospital/department CME   | 1 point/hr      |
|          | b.   | Small group discussion/case conference  | 1 point/hr      |
|          | c.   | Participation in inter-department clinical meeting / epidemiological review       | 1 point/hr      |
|          | d.   | Journal club meeting  | 1 point/hr      |
|          | e.   | Formal grand ward round   | 1 point/hr      |
|          | f.   | External CME lecture/ topic seminar   | 1 point/hr      |
|          | g.   | Short courses/attachment >1 – 3 months  | 10 points       |
|          | h.   | Short courses/attachment >3 - 6 months  | 20 points       |
|          | i.   | Short courses/attachment >6 months - 1 year                                       | 30 points       |
| A4       | Quality Improvement Activities   |   |                 |
|          | a.   | Morbidity and mortality reviews   | 1 point/hr      |
|          | b.   | Audit meetings  | 1 point/hr      |
|          | c.   | Participation in accreditation exercise   | 1 point/hr      |
| A5       | Scholarly Activities/Training/Presentation                                       |   |                 |
|          | a.   | Organising chairperson for a recognised Scientific meeting or workshop            | 5 points        |
|          | b.   | Examiner at final undergraduate/postgraduate examination                          | 5 points        |
|          | c.   | Trainer/facilitator at a workshop   | 5 points        |
|          | d.   | Plenary/keynote lecture   | 5 points        |
|          | e.   | Presentation of lectures/oral/papers/posters at scientific meetings               | 5 points        |
|          | f.   | Presentation at hospital/departmental meetings and external lecture/topic seminar | 5 points        |



| <b>A6</b> |   | <b>Scholarly Activities/Research/Publication</b> |  |
|-----------|---|--|--|
| a.        | Principal/Co-Investigator in a clinical trial/research  | 5 points   |  |
| b.        | Obtained a research grant   | 5 points   |  |
| c.        | Author of an indexed/peer reviewed journal article  | 5 points   |  |
| d.        | Author of a non-indexed/non-peer reviewed journal article   | 5 points   |  |
| e.        | Author of a textbook/book chapter   | 5 points   |  |
| f.        | Chief Editor of a Journal Editorial Board   | 5 points   |  |
| g.        | Member of a Journal Editorial Board   | 5 points   |  |
| h.        | Reviewer of a peer reviewed journal article   | 5 points   |  |
| i.        | Reviewer of a textbook  | 5 points   |  |
| j.        | Supervisor for postgraduate research project  | 5 points   |  |
| k.        | Reviewer/examiner of research thesis  | 5 points   |  |
| l.        | Preparation of reports/member of reports committee e.g. technical reports, working papers, guidelines   | 5 points   |  |
| m.        | Member of clinical guidelines/consensus guidelines (national/international)                             | 5 points   |  |
| <b>A7</b> |   | <b>Self-directed Learning</b>                    |  |
| a.        | Online CME modules  | 1 point/module                                   |  |
| b.        | Self-study (Relevant books, publications, Journal articles, podcasts etc.)                              | 1 point/module                                   |  |
| c.        | External lecture/ topic seminar   | 1 point/hr                                       |  |
| <b>A8</b> |   | <b>Professional Development</b>                  |  |
| a.        | Leadership role in medical societies /NGOs  | 5 points   |  |
| b.        | Self-development courses e.g. IT courses, business management, administrative skills, leadership skills | 5 points   |  |
| c.        | Risk management courses e.g. communications, ethics, medico-legal, patient safety                       | 5 points   |  |
| d.        | Participation in community activities   | 5 points   |  |
| e.        | Participation in innovation projects  | 5 points   |  |
| f.        | Public lectures/talks, lectures/talks to NGO/radio/TV   | 5 points   |  |

**MALAYSIAN MEDICAL COUNCIL**  
**16<sup>th</sup> JUNE 2020**

\*\*\*\*\*