10th Anniversary
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For Better HealthCare



# Uniqueness of
# BDMS Centers of Excellence (CoE)

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In this issue, chief faculties of BDMS Centers of Excellence (CoE) on Cardiology, Orthopedics and Hematologic cancers joined us to commemorate the 10th year anniversary of The Bangkok Medical Journal by sharing the unique characteristics of their CoE.

Performance of Cardiovascular Center of Excellence has been improved with a new Computerized Tomography (CT) scanner that provides fast results. Through BDMS Cath PCI Registry, performance of participating hospitals is elevated through the "link-share-learn" approach. Achievement is measured in two aspects of quality (do the right things) and value (do the things right). Progress is made towards a more complex high risk intervention (CHIP) procedure, with specific focuses on chronic total occlusion, heavy calcification of the coronary and left main intervention.

With over ten years' experiences in handling complex cardiovascular or respiratory cases using ECMO (Extra-Corporeal Membrane Oxygenation) where survival rates are three to four times better than the average, cardiovascular CoE is in a good position to provide high quality simulation training to staff of BDMS and elsewhere. Furthermore, emergency treatment for aortic aneurysm has shown outstanding outcomes. These and abovementioned achievements are the uniqueness of the Cardiovascular CoE.

In Orthopedic Center of Excellence, patient safety is the top priority. To keep patients safe while achieving best outcomes, education and training of all staff involved is essential. In addition to post-operative reviews that have been made routine, the Orthopedic CoE endorses on pre-operative consultation so the surgeons can go over their operative plans with various experts. This Pre-operative Discussion Project takes advantages of a common online meeting platform – the Microsoft Team to connect surgeons in the CoE network for virtual consultations. With good outcomes, the project is expanded to cover all 11 network hospitals. Hence, the best possible care will be provided to every patient of the BDMS Orthopedic CoE.

Hematologic cancer is an important challenge in Thailand and South-East Asia. The Center of Excellence on Cancer (Hematology) has a long history with remarkable achievements. Starting as the Bangkok Hematopoietic Stem Cell Transplant Center in 2009, this unit was expanded to be Bangkok Hematology Center in 2010. In addition to timely diagnosis and appropriate clinical care for patients with blood disorders, the center also emphasizes on health education for patients and relatives. The Center has been sister institution of MD Anderson Cancer Center, USA and has been a collaborating center of the Faculty of Medicine, Siriraj Hospital.

To improve possibility to find appropriate donors for patients undergoing Hematopoietic Stem Cell Transplantation (HSCT), Haploidentical or "half-match" HSCT has been exercised. This technique offers the opportunity to perform transplant in all eligible patients whereas only 25% of patients can have an HLA matched sibling as a donor. The Center is making progress on achieving desirable outcomes for patients in Thailand and neighboring countries.

Research and publication have been a cornerstone for improving outcomes. Members of the Center of Excellence on Cancer (Hematology) collaborate with Siriraj Center of Excellence for Stem Cell Research (SiSCR) for both clinical and pre-clinical research studies to generate new knowledge for better care and expansion of high quality services for everyone.


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