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Establishing Entrustable Professional Activities of Taiwan Radiation Technologist

Shu-Yu Wen^{1,2}, Chun-Yuan Tu^{1,3}, Chao-Yuan Tu^{1,2}, Chia-Hung Chen^{1,4}, Yang-Bin Lin^{1,5}, Bang-Hung Yang^{1,6,7}, Kuo-Ming Huang^{1,2}, Chih-Wei Yang^{8,9,10*}

¹Taiwan Association of Medical Radiation Technologists, ²Division of Radiation Oncology, Department of Oncology, National Taiwan University Hospital, ³Department of Radiology, Mackay Memorial Hospital, ⁴Department of Medical Imaging, Ditmanson Medical Foundation Chia-Yi Christian Hospital, ⁵Department of Radiation Oncology, Taipei Medical University Hospital, ⁶Department of Nuclear Medicine, Taipei Veterans General Hospital, ⁷Department of Biomedical Imaging and Radiological Sciences, National Yang Ming Chiao Tung University, ⁸Department of Medical Education, ⁹Department of Emergency Medicine, National Taiwan University Hospital, ¹⁰Department and Graduate Institute of Medical Education and Bioethics, National Taiwan University College of Medicine

*Corresponding Author: Chih-Wei Yang Email: cwyang0413@gmail.com

Abstract

Integration of core competencies into professional tasks in clinical practice is the core concept of entrustable professional activities (EPAs). The progression of competencies can be examined using entrustability scales, which are also applied as a reference for clinical supervision and authorization. Through EPAs, core competencies are effectively integrated into clinical care and applied in workplace teaching. To implement competency-based medical education (CBME) in Taiwan for medical radiation technologists, we established the EPAs of the three departments of radiation technology by adopting solid consensus methods. The results revealed that our methods effectively improved the overall understanding of the concept of EPAs and profession-specific core competencies (p<0.001). In addition, the effective consensus methods (4.87 and 4.82 points) improved the applicability of EPAs in clinical teaching (4.88 points) and professional identification in medical radiation technology (4.87 points). In the next step, nationwide teaching hospitals will be invited to implement CBME. Extensive practical experience and feedback will be collected to tailor the program according to local needs.

Keywords: competency-based medical education (CBME), consensus method, entrustable professional activities (EPAs), Taiwan medical radiation technologist

臺灣醫事放射職類可信賴專業活動建置

溫舒瑜 1,2 、杜俊元 1,3 、杜昭遠 1,2 、陳嘉宏 1,4 、林揚斌 1,5 、楊邦宏 1,6,7 、黃國明 1,2 、楊志偉 8,9,10*

1中華民國醫事放射師公會全國聯合會、2國立臺灣大學醫學院附設醫院腫瘤醫學部放射腫瘤科、3台灣基督長老教 會馬偕醫療財團法人馬偕紀念醫院放射線科、4戴德森醫療財團法人嘉義基督教醫院影像醫學科、5臺北醫學大學 附設醫院放射腫瘤科、⁶臺北榮民總醫院核醫部、⁷國立陽明交通大學生物醫學影像暨放射科學系、⁸國立臺灣大學 醫學院附設醫院教學部、9急診醫學部、10國立臺灣大學醫學院醫學教育暨生醫倫理學科暨研究所

*通訊作者:楊志偉 所屬單位:國立臺灣大學醫學院附設醫院教學部

電子信箱: cwyang0413@gmail.com 聯絡地址:臺北市中正區中山南路7號

摘要

可信賴專業活動(Entrustable Professional Activities, EPAs)的重要概念,是將核心能力整合成臨床實務專業 任務,以信賴等級作為能力進展的依據,供臨床監督授權參考,有助於融合核心概念於臨床照護,應用在 職場的教學行為。為進一步推動臺灣醫事放射職類落實勝任能力導向醫學教育(Competency-Based Medical Education, CBME),本專案活動透過嚴謹共識程序,召集醫事放射職類醫學教育專家完成三大部門之 EPAs。活動成果提升了專案對象之EPAs整體概念與五大核心能力理解程度(p<0.001),問卷調查顯示共識建 立法可有效凝聚專家共識(名義團體法4.87分、修正式德菲法4.82分),亦提升EPAs臨床教學助益(4.88 分)及醫事放射職類之專業認同(4.87分)。下階段預計號召教學醫院進行場域實踐,以提升整體醫事放射 醫學教育水平,促進醫療服務品質。

關鍵詞:勝任能力導向醫學教育、共識建立法、可信賴專業活動、臺灣醫事放射職類