Trainer

Neurosurgery program trainers are continuously searching for new methods to evaluate trainees' competency besides number of cases and training duration. Recently, efforts are made on the development of reliable methods to teach competency and valid methods to measure teaching efficacy. Herein, Sehli et al., proposed the "Resident's Operative Case Tracking and Evaluation System" (ROCTES) for the assessment and monitoring of the resident's performance quality during each procedure.

They developed a data-based website and smartphone application for neurosurgical attending physicians, residents, and resident review committees in our accredited neurosurgical institutions. ROCTES runs through five steps: Login (Resident), Case Entry, Login (Attending Physician), Case Approval and Evaluation, and Report. The Resident enters each case record under "Case Entry" field and can "save," "edit," or "submit" the case data to the Attending Physician. The latter from the attending physician login profile will be able to "approve and evaluate" the resident's "knowledge," "skills," and "attitude" ranking from 1 to 15 for that particular case; add his comments and then "save," "edit," or "submit" the data, which can be viewed by users as a "report." Program Directors can also "login" to monitor the resident's progress.

The implementation of this communication tool should enable the filtering and retrieval of information needed for the better assessment and monitoring of residents' exposure to variety of cases in each training center.

This proposed evaluation system will provide a transparent assessment for residency training programs and should convert trainees into competent neurosurgeons [1].

[1]
Sehli DN, Esene IN, Baeesa SS. A Proposed Resident's Operative Case Tracking and Evaluation System. World Neurosurg. 2016 Mar;87:548-56. doi: 10.1016/j.wneu.2015.10.022. Epub 2015 Oct 26. PubMed PMID: 26514636.