

**The CanMEDS objective structured clinical  
examination (OSCE): Evaluating outside of the box  
– an example from diagnostic radiology**

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**Keywords:** CanMEDS, OSCE, evaluation

We developed a CanMEDS objective structured clinical examination (OSCE) for our residency programs. The purpose of this evaluation tool was to formally evaluate non-Medical Expert CanMEDS Roles.

This presentation illustrates the utility of this tool, with station examples from diagnostic radiology. Evaluation in residency has traditionally focused on the Medical Expert Role. The development of formal assessment methods for the non-Medical Expert CanMEDS Roles is mandatory but can prove challenging for some specialties.

In order to address this challenge for diagnostic radiology, we developed an OSCE with the objective of providing an evaluation method that would engage learners, formally evaluate their performance and drive home specialty-specific CanMEDS Roles. Stations were developed to evaluate the following Roles:

- Health Advocate (a radiation safety station);
- Communicator (a consent station and dictation station);
- Manager (a case triaging station); and
- Professional (a station on accountability and presentation).

This examination was designed for residents in postgraduate years 2–4, with residents in postgraduate year 5 (PGY5) assisting in OSCE station construction, evaluation and feedback. Through their participation, the PGY5's enhanced their Scholar Role and assisted with the feasibility of executing this OSCE. Once completed, a take-up session was presented, which provided immediate feedback and highlighted important educational content. In addition, each resident was subsequently provided with an individual performance summary.

We have implemented a biannual CanMEDS OSCE examination into our formal residency program design. Although our example is provided from diagnostic radiology, this can be adapted for use in other specialties.