



ABSTRACT OE5-4

Block OE5 ~ Assessment

Monday, April 18, 1300 - 1430

**Title:** The Use of a Script Concordance Test to Assess Family Medicine Residents' Clinical Reasoning Skills in Intra-Partum Care.

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**Background / Purpose:** Residency programs are accountable for ensuring graduating Residents are safe and ready to enter unsupervised practice. In 2013, the Calgary Family Medicine (FM) Residency Program struggled with making confident assessment decisions about Residents in relation to the entrustable professional activity; "carry out a low risk delivery independently". To provide additional, supporting data, an intra-partum script concordance test (SCT) was developed to assess Residents' clinical reasoning skills in intra-partum care.

**Methods:** A 29 question, 116 item, online test was designed based on "real-life" intra-partum scenarios. A proportionate scoring key was developed from the responses of a recent-graduates' reference panel. A cut score was created using a modified Hofstee method. The SCT was then used as part of the overall assessment of each Resident's intra-partum competency.

**Results / Observations:** All residents completed the SCT (N=65). The cut-score was 69%, the mean score was 75% and alpha was 0.6. No items were removed. Residents found the format of the exam challenging. 4 Residents scored below the cut score but once other assessment data was reviewed no Residents required remediation. The SCT scores also provided helpful additional data to support an overall decision about a small number of Residents where their competency in intra-partum care was in question.

**Conclusion:** The SCT scores provided additional, reliable data that supported the decision about each Resident's intra-partum skills and readiness for unsupervised practice. Better communication around the purpose, format and consequences of the exam would have aided the acceptance of the exam by Residents.