Introduction

- The use of simulation for medical education is a widespread and effective teaching modality.
- Lack of educators trained and experienced in facilitating and debriefing simulation sessions has impacted its adoption.
- UASOM currently has 4 Regional Campuses, with widespread use of simulation at only 1 Campus.
- “Telesimulation” is a method to use videoconferencing to have students at remote campuses participate in simulation cases run by a faculty member at a centralized location.
- This could improve both the quality and standardization of clinical curriculum.
- This Proof of Concept Pilot Study was designed to test feasibility and learner satisfaction.

Methods

- Eight medical students completed four case-based simulated patient encounters in two groups.
- 2 Cases were debriefed via the standard method with a faculty member in the room.
- 2 Cases were debriefed remotely by a faculty member over a video feed who watched the event over a “Google Chat” live video.
- Learners were then surveyed regarding their satisfaction with the two debriefing modalities.

Results

- There was no difference in learner satisfaction between the standard and telesim debriefing scenarios, with each receiving a (5/5) “Strongly agree” score on the likert scale.
- Students agreed that they would prefer “TeleSimulation” to the option of not having simulation as an educational tool (4.75/5) on the likert scale.
- Students disagreed when asked if “Tele Debriefing” negatively affected the educational session (1.71/5).

Conclusions

- This was a pilot study investigating the basic feasibility of using tele-debriefing during education simulation sessions with medical students.
- Google Chat proved to be an effective, easily replicable tool for TeleSimulation.
- Learner satisfaction with the debriefing with TeleSimulation was identical to standard, in-person modalities.
- This appears to be a viable option for bringing simulation to learners who are not in the same physical location as faculty who are trained in debriefing techniques.
- More data is needed to confirm the results of this pilot with larger groups of learners.