



A Flipped-Classroom POCUS Curriculum For Med-Peds Interns

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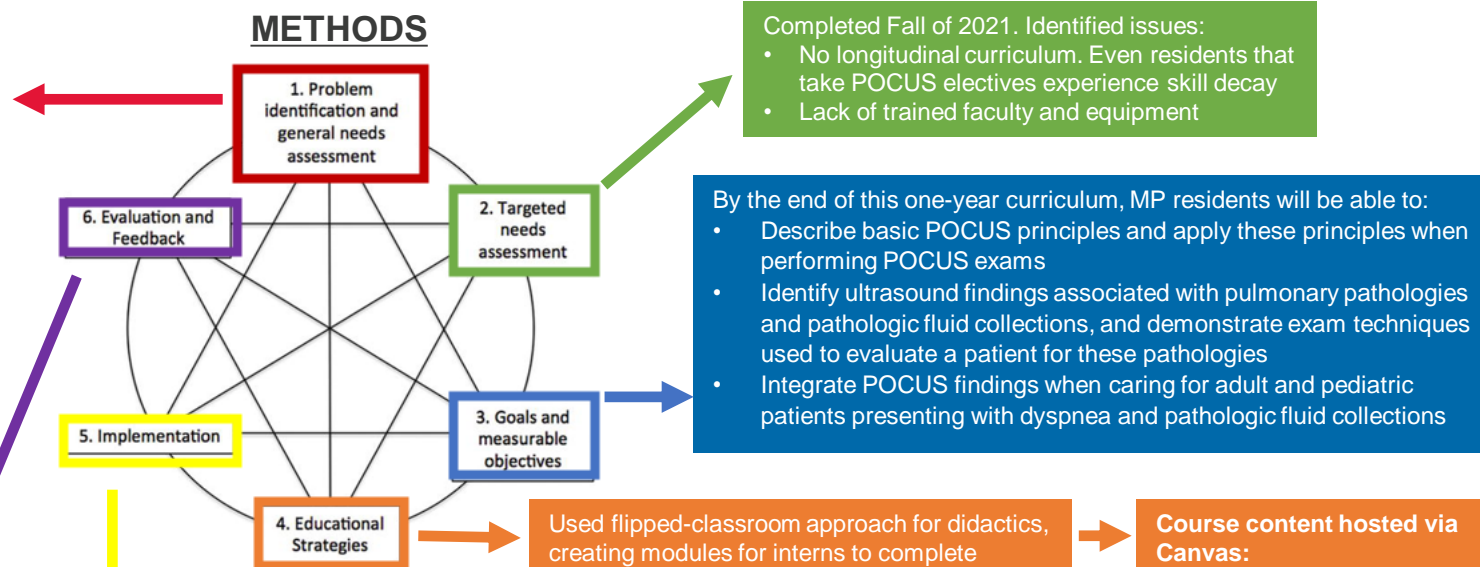
EDUCATIONAL OBJECTIVE: To provide MP interns with the knowledge and skills necessary to interpret, perform, and integrate POCUS into their clinical practice to better care for patients

BACKGROUND/PURPOSE

- Point-of-Care Ultrasound (POCUS) curricula are an increasingly important component of Med-Peds (MP) residency programs
- These curricula are time intensive, a barrier to implementation
- To address this barrier, a novel flipped-classroom POCUS curriculum was developed for MP interns

- Participants completed a pre-course multiple-choice test and OSCE
- Assessed current R2s at end of their intern year to have comparison group
- Participants will complete a post-course multiple-choice test and OSCE after curriculum completion
- Will conduct post-course focus group to obtain feedback

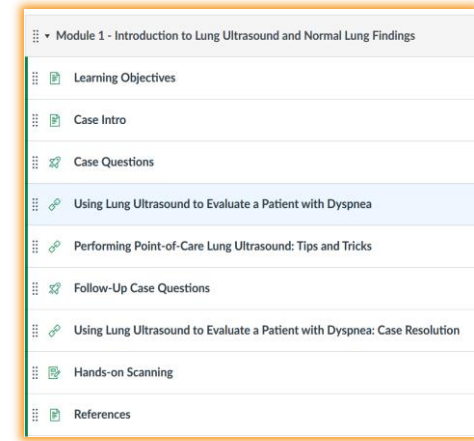
METHODS



Medicine dates	Jul 25 - Jul 31	Jul 31 - Aug 6	Aug 6 - Aug 12	Aug 12 - Aug 18	Aug 18 - Aug 24	Aug 24 - Aug 30	Sep 5 - Sep 11	Sep 11 - Sep 17	Sep 17 - Sep 23	Sep 23 - Oct 1	Oct 1 - Oct 7	Oct 7 - Oct 13	Oct 13 - Oct 19	Oct 19 - Oct 25	Oct 25 - Nov 1	Nov 1 - Nov 7	Nov 7 - Nov 13	Nov 13 - Nov 19	Nov 19 - Nov 25	Nov 25 - Dec 1	Dec 1 - Dec 7	Dec 7 - Dec 13	Dec 13 - Dec 19	Dec 19 - Dec 25	Dec 25 - Jan 1	Jan 1 - Jan 7	Jan 7 - Jan 13	Jan 13 - Jan 19	Jan 19 - Jan 25	Jan 25 - Feb 1	Feb 1 - Feb 7	Feb 7 - Feb 13	Feb 13 - Feb 19	Feb 19 - Feb 25	Feb 25 - Mar 1	Mar 1 - Mar 7	Mar 7 - Mar 13	Mar 13 - Mar 19	Mar 19 - Mar 25	Mar 25 - Apr 1	Apr 1 - Apr 7	Apr 7 - Apr 13	Apr 13 - Apr 19	Apr 19 - Apr 25	Apr 25 - May 1	May 1 - May 7	May 7 - May 13	May 13 - May 19	May 19 - May 25	May 25 - Jun 1	Jun 1 - Jun 7	Jun 7 - Jun 13	Jun 13 - Jun 19	Jun 19 - Jun 25	Jun 25 - Jul 1
Transition dates	Jul 25/Jul 31	Jul 31/Aug 6	Aug 6/Aug 12	Aug 12/Aug 18	Aug 18/Aug 24	Aug 24/Aug 30	Sep 5/Sep 11	Sep 11/Sep 17	Sep 17/Sep 23	Sep 23/Oct 1	Oct 1/Oct 7	Oct 7/Oct 13	Oct 13/Oct 19	Oct 19/Oct 25	Oct 25/Nov 1	Nov 1/Nov 7	Nov 7/Nov 13	Nov 13/Nov 19	Nov 19/Nov 25	Nov 25/Dec 1	Dec 1/Dec 7	Dec 7/Dec 13	Dec 13/Dec 19	Dec 19/Dec 25	Dec 25/Jan 1	Jan 1/Jan 7	Jan 7/Jan 13	Jan 13/Jan 19	Jan 19/Jan 25	Jan 25/Feb 1	Feb 1/Feb 7	Feb 7/Feb 13	Feb 13/Feb 19	Feb 19/Feb 25	Feb 25/Mar 1	Mar 1/Mar 7	Mar 7/Mar 13	Mar 13/Mar 19	Mar 19/Mar 25	Mar 25/Apr 1	Apr 1/Apr 7	Apr 7/Apr 13	Apr 13/Apr 19	Apr 19/Apr 25	Apr 25/May 1	May 1/May 7	May 7/May 13	May 13/May 19	May 19/May 25	May 25/Jun 1	Jun 1/Jun 7	Jun 7/Jun 13	Jun 13/Jun 19	Jun 19/Jun 25	Jun 25/Jul 1
Peds dates	Jul 25 - Jul 31	Jul 31 - Aug 6	Aug 6 - Aug 12	Aug 12 - Aug 18	Aug 18 - Aug 24	Aug 24 - Aug 30	Sep 5 - Sep 11	Sep 11 - Sep 17	Sep 17 - Sep 23	Sep 23 - Oct 1	Oct 1 - Oct 7	Oct 7 - Oct 13	Oct 13 - Oct 19	Oct 19 - Oct 25	Oct 25 - Nov 1	Nov 1 - Nov 7	Nov 7 - Nov 13	Nov 13 - Nov 19	Nov 19 - Nov 25	Nov 25 - Dec 1	Dec 1 - Dec 7	Dec 7 - Dec 13	Dec 13 - Dec 19	Dec 19 - Dec 25	Dec 25 - Jan 1	Jan 1 - Jan 7	Jan 7 - Jan 13	Jan 13 - Jan 19	Jan 19 - Jan 25	Jan 25 - Feb 1	Feb 1 - Feb 7	Feb 7 - Feb 13	Feb 13 - Feb 19	Feb 19 - Feb 25	Feb 25 - Mar 1	Mar 1 - Mar 7	Mar 7 - Mar 13	Mar 13 - Mar 19	Mar 19 - Mar 25	Mar 25 - Apr 1	Apr 1 - Apr 7	Apr 7 - Apr 13	Apr 13 - Apr 19	Apr 19 - Apr 25	Apr 25 - May 1	May 1 - May 7	May 7 - May 13	May 13 - May 19	May 19 - May 25	May 25 - Jun 1	Jun 1 - Jun 7	Jun 7 - Jun 13	Jun 13 - Jun 19	Jun 19 - Jun 25	Jun 25 - Jul 1
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RESULTS

- All four MP interns have completed three modules, spending an average of 80 minutes interacting with each module
- Anticipate approximately 24 faculty hours (or 6 half-days, 1.5 per resident) will be spent implementing the curriculum (eg mentored hands-on scanning). As a comparison, the recently developed UCH IM POCUS curriculum requires 120 faculty half-days (2.4 per resident) for didactic instruction and mentored scanning



Course content hosted via Canvas:

- Introduction to POCUS (in person)
- Module 1: LUS 101 - Evaluation of a Patient with Dyspnea
- Module 2: Procedural POCUS – Pleural Effusions and Ascites
- Module 3: FoCUS 101 – Evaluation of Dyspnea Continued
- Module 4: Evaluation of a Patient with Shock

CONCLUSIONS

- A POCUS curriculum relying on a flipped-classroom approach using an online learning platform is feasible
- This approach significantly limits the amount of instructor time required, and should be more sustainable than traditional curricula