



# Symposium on Educational Excellence 2023

## Creating a longitudinal point-of-care ultrasound curriculum for internal medicine residents

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### Keywords

Assessment of learning, Classroom/didactic teaching, Clinical teaching

### Abstract

The purpose of this proposal is to present an updated point-of-care ultrasound (POCUS) curriculum for internal medicine residents that integrates longitudinal didactics and supervised ultrasound scanning. With the growth of POCUS within the field of internal medicine, multiple organizations including the Alliance of Academic Internal Medicine, the Society of Hospital Medicine, and the American College of Physicians have issued statements of support encouraging the use of POCUS within internal medicine. (1-3) Training residents in POCUS involves a multimodal approach to develop not only skills in image acquisition but also image interpretation and integration of POCUS findings into medical decision making. The current curriculum within the internal medicine residency program at Oregon Health and Science University (OHSU) involves an introductory POCUS course for interns with subsequent electives offered during the PGY-2 and PGY-3 years. However, there is some evidence that a more longitudinal curriculum may be beneficial in terms of knowledge retention. (4, 5) The goal of this curriculum proposal is to allow for a core group of interested internal medicine residents to complete advanced POCUS training in addition to the already existing curriculum. The proposed curriculum will focus on a core group of POCUS topics that are pertinent to the field of 'internal medicine and integrate additional didactics and supervised ultrasound scanning time throughout the year. One of the commonly cited barriers to POCUS training within internal medicine residency is the lack of POCUS-trained faculty members. (4) This proposed curriculum will utilize the already existing POCUS structure at OHSU, which includes teaching by general medicine ultrasound fellows within the Department of Internal Medicine. One of the metrics of this new curriculum will be the completion of at least 150 ultrasound examinations by the residents who complete this additional training, which aligns with the American Institute for Ultrasound in Medicine training guidelines. (6) Anticipated results include improved knowledge retention, increased reported use of POCUS, and increased comfort with using POCUS among residents who complete the longitudinal curriculum.

## Learning Objectives

1. Creating a Longitudinal Point-of-Care Ultrasound Curriculum for Internal Medicine Residents
2. To describe the components of a longitudinal ultrasound curriculum.
3. Review statements of support on the use of ultrasound within internal medicine.

## References:

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