

Educational Objectives: To create a concise video presentation teaching how to perform a SLE.

To show this video immediately prior to a hands-on workshop.

To make this video available for independent review and on shift.

To evaluate the effectiveness of the video and workshop.

Curricular Design: A slit lamp exam workshop is held for new interns during their orientation, and for MS4's during their visiting rotation. A 3 minute video is shown first, followed by a hands-on workshop with an instructor present. This video is then available online for independent review. Students and residents are given a pre and post-test to assess content knowledge, and a pre and post-survey of their feedback on the experience.

Impact/Effectiveness: The SLE video and workshop are an example of an educational model that incorporates multimedia. Clinical skills can be taught through media, followed by a hands-on experience, with the media available for review at the learner's discretion. Concise teaching videos can be accessed on shift for quick review immediately prior to using these skills.

Summary of data:

- Mean scores increased from pre-test to post-test from 5.86/10 to 8.79/10.
- Learners felt more comfortable performing a SLE, evaluating eye complaints, and troubleshooting the slit lamp after the workshop and video.
- Learners found the video helpful, with useful content and appropriate length.
- Learners stated they would be likely to access the video on shift.
- 100% of participants replied that the video was helpful, and that content and length were appropriate.
- This SLE teaching video can be shared with other programs. More importantly, this educational model can potentially improve clinical skills in medical education.

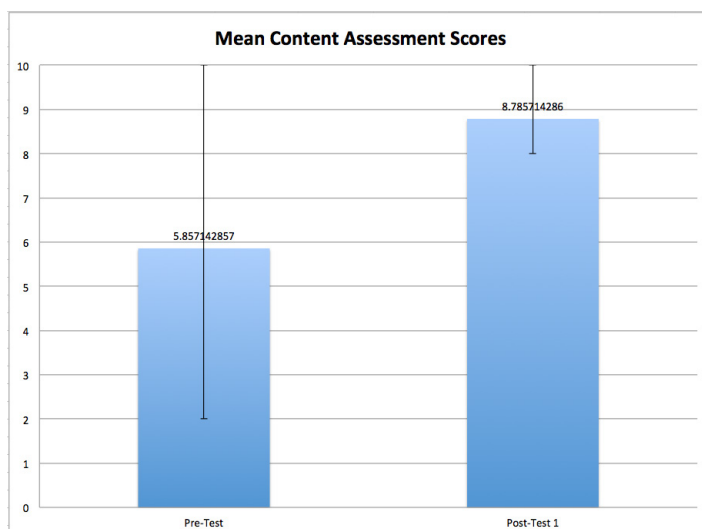


Figure 1. Mean Content Assessment Scores.

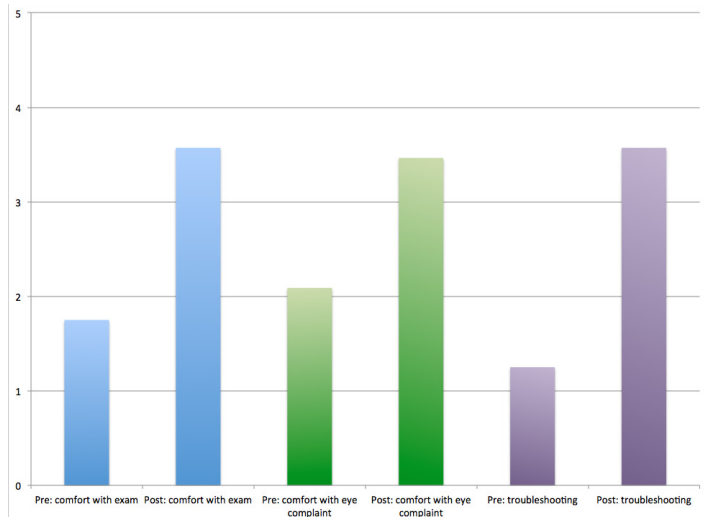


Figure 2. Pre and Post Survey.

64 The ABCs of Empathy

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Background: Empathy is declining amongst healthcare providers despite the delivery of compassionate care being an important core tenet to the practice of medicine. The reasons for empathy decline are multifactorial, however one particular variable has significant implications for empathy: burnout. There is a need to increase empathy both for patients and for providers; however an educational model to teach these skills does not exist to our knowledge. This innovative curriculum is the intervention for a prospective randomized controlled study.

Educational Objectives:

1. Increase empathy
2. Decrease burnout

Curricular Design: The ABCs of Empathy is a multi-modal educational approach to increase empathy and reduce burnout designed for EM residents. It is focused on mindfulness, patient-centered communication and reflection. The ABCs represent Awareness, Breathe and Be Present and Care. This mnemonic embodies an easy way to incorporate empathy both for the provider and for the patient in every encounter. It was delivered to the intervention group of residents on 2/11/15 and 2/18/15 from 10a-12p. Components of the curriculum included personalized empathy measure report based on their patients' feedback, empathy powerpoint, standardized patient encounters, reflective writing exercise with appreciative inquiry, what are you thinking/feeling exercise, practice making empathetic statements, and discussion of positive ED patient experiences.

Impact/Effectiveness: 10 intervention group residents completed evaluations about the curriculum. They were asked to rate their satisfaction level with the individual components

of the curriculum on a Likert scale (0=poor, 2=below average, 5=average, 8=above average, 10=excellent). Means on all of the components of the curriculum ranged from 7.1 (reflecting writing exercise and practice making empathetic statements) to 8.8 (discussion of positive ED patient experiences). 9/10 residents recommend the training to other residents. This curriculum can be easily incorporated into residency conference didactics nationally.

65 The Consultant Chat: A Novel Didactic Method for Specialist Presentations to Emergency Medicine Residents

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Background: While emergency medicine (EM) faculty are generally the most appropriate teachers for EM residents in the didactic setting, there are particular components of the EM curriculum that benefit from specialist input. Many times, however, specialists have little appreciation for the challenges inherent in EM practice. In addition, presentations by specialists may address topics that are relevant to their practice, but outside the scope of EM. Residency leaders feel challenged in giving constructive feedback to speakers from outside departments, as many specialists are contributing their time without contractual requirements or personal benefit.

Educational Objectives: We developed the “Consultant Chat,” a novel didactic format for specialists that are frequently consulted by the ED. These experts are motivated to share knowledge with our residents that will impact patient care and may even prevent unnecessary phone calls from the ED. Furthermore, the educational needs of our residents are met without delving into issues outside the scope of EM.

Curricular Design: Expert consultants are selected by the senior EM residents and invited to come have a “chat” with our residents for one hour during the EM conference time. These specialists do not prepare a presentation; they simply answer questions and share their experience. Residents are instructed to come prepared with questions that are specific, case-based, or pragmatic: how would you expect us to approach “x” presentation? Under what circumstances would you want to be called in the middle of the night? What is your biggest “gripe” about things that you have seen from the ED? Take home points are recorded and distributed to residents as a summary document of “clinical pearls.”

Impact/Effectiveness: The “Consultant Chat” has greatly fostered collaboration with our specialists from other departments. The consultants feel honored to be selected by the residents, there is minimal time commitment on their part, and the informal atmosphere is engaging for all parties. The residents drive the discussion to meet their education needs and this self-directed learning style allows them to

derive maximal value from the session. Lastly, our faculty enjoy attending these sessions, as they can contribute their experience and management viewpoints and engage their specialist colleagues in a friendly educational atmosphere.

66 The Effectiveness of Individualized End-of-Shift Milestone Assessment Tools for Remediation

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Background: Among EM residency directors, there has been debate over how best to assess residents using the milestones in particular, when remediation is needed. Many programs currently use an end-of-shift (EOS) evaluation tool that presents the milestones for levels 1-5 for multiple sub-competencies. Because each sub-competency level encompass so many components, it is difficult to provide residents with detailed feedback regarding specific areas requiring improvement and to design an appropriate remediation plan.

Educational Objectives: Our objective was to create individual assessment tools (IATs) to identify the specific milestones requiring improvement for residents on remediation. Secondary objectives included assessing resident satisfaction with the IATs and perceived quality of faculty feedback.

Curricular Design: An IAT was designed for each of 5 PGY II residents on remediation. Each IAT included multiple milestones encompassing levels 2-4, with the language taken directly from the emergency medicine milestones. The IATs assessed 8-20 milestones and were used for a period of 2-3 months. At the end of each clinical shift, the resident was instructed to provide their IAT to the attending who would rate the resident’s performance as either meeting, having some difficulties, or failing to meet the milestone. The completed IAT was returned to the PGY II Assistant Residency Director (ARD). A paper form was employed to facilitate real time evaluation.

Impact/Effectiveness: The IAT allowed us to collect multiple data points for each milestone, and compare that data with the EOS evaluations obtained during the same time period. These were found to be concordant across almost all milestones. The residents received more IATs compared to standard EOS evaluations during the remediation period (Table 1). This approach can be applied to any individual resident to identify specific deficiencies within a sub-competency, facilitating a more complete and targeted approach to remediation. The residents using the IATs were anonymously surveyed regarding the tool. They reported that the IATs were easy to use, and that they were more likely to receive honest feedback about their shortcomings and more concrete suggestions for improvement using the IAT. The IATs worked well as a remediation tool because they provided