

## Capstone for Impact Submission | GY2019

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**Project Title:** Updating Pulmonary AMT cases for more comprehensive residency preparation

**Student Name(s):** Klarr, Daniel

**Advisor Names(s):** Dr. Dru Claar

**Branch:** Procedure Based Care

**Path of Excellence:** N/a

**Handover/Transition:**

If this project can be continued by another UMMS student, you may contact them at the following email address/phone number (N/A if project cannot be handed over): [klarrd.med.umich.edu](mailto:klarrd.med.umich.edu) or 248-202-9296

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**Summary:**

Working under Dr. Sandro Cinti in conjunction with Dr. Dru Claar of the Pulmonary and Critical care department, my goal was to update the AMT course with more relevant cases to better prepare interns. This was done by reviewing the previous AMT course, and then meeting with a Pulmonary attending (Dr. Claar) regarding areas of weakness in the AMT curriculum. It was determined that sample cases lacked exposure into critical areas of knowledge required for internship.

Over several months it was decided that two cases should be added in order to augment the curriculum. Dr. Claar and I decided that the two cases should reflect common pulmonary diseases seen in intern year that were previously missing: COPD exacerbation and Acute hypoxic respiratory failure. Dr. Claar provided guidance on specific knowledge gaps he had noticed with his interns rounding in either the general medicine wards or the CCMU. I generated multiple cases, from which two were chosen, to create standard cases for the revamped AMT course.

Learning objectives were then determined from the rough draft of each case and questions were formed. After writing questions for each case they went under further review by Dr. Claar. His input was invaluable when determining what level of knowledge each answer was testing and what the learner should garner. He also helped in the editing of responses that followed each wrong answer to ensure that even though the learner was incorrect, they would fill their knowledge gap. Finally he was critical in ensuring the question set was in a format the module could use.

**Methodology:**

Multiple meetings with my advisors and research into the Medical Education.

**Results/Conclusion:**

The Pulmonary section of the AMT course was in need of more wide ranging cases to better prepare M4's for general medicine cases and ICU cases

**Reflection/Lessons Learned:**

How to write standardized cases for medical learners who are either novices or need refreshers on key medical concepts. These are the lessons I hope to use to further my interest and career in Medical Education