

## AQUIFER EDUCATOR CONNECTION PODCAST

### Episode 5: Supporting Residents as Teachers and Learners with Aquifer Cases

Guest: Michael Dell, MD, Professor of Pediatrics and Vice Chair for Education at Case Western Reserve University SOM and a pediatrician at Rainbow Babies and Children's Hospital. Aquifer Pediatrics - Senior Director & Case Author

Host: Lynne Robins, PhD, Professor Emerita, Department of Biomedical Informatics and Medical Education, University of Washington School of Medicine, Seattle, WA.

Description: Dr. Dell is an enthusiastic proponent of using virtual cases across the continuum of medical education, including with advanced learners like residents and interns. In this episode, Dr. Dell describes how he incorporates cases into his Residents as Teachers Curriculum, replacing lectures with noon conferences. In their flipped classroom model, residents run the conference like rounds leading a discussion about an Aquifer case framed as the 'virtual patient you admitted the night before' and incorporating rich what- if and compare and contrast scenarios. Dr. Dell also shares a successful collaboration with residents to create a case-based orientation curriculum for acting interns that eased their transition to the hospital setting. The curriculum included instruction about essential content as well as practical tips on how to get things done in the hospital.

#### Michael's Lessons Learned:

- Robust, high quality cases can be assigned as independent learning exercises for struggling students, students who need to make up learning objectives, and students who want to dive deeply into topics of interest.
- For Residents as Teachers, the cases can provide a robust starting point for more in-depth discussions. Residents can:
  - Encourage reflection on all those things the case didn't turn out to be by asking students to consider how facts might be changed to make the case turn out differently.
  - Remind less advanced students that getting the right answer to a case isn't the point
  - Encourage compare and contrast – a critical part of clinical reasoning and clinical decision-making.

- For Residents as Learners: The cases provide an effective flipped classroom activity. Advanced learners can prepare a case as if they had to admit that virtual patient and come prepared to discuss. The session is then run like rounds.

Additional Resources:

- Michael's blog post: "[Hospital Systems Learning: A Virtual Case-Based Framework](#)"

Theme Music: "Little Idea" by scottholmesmusic.com