

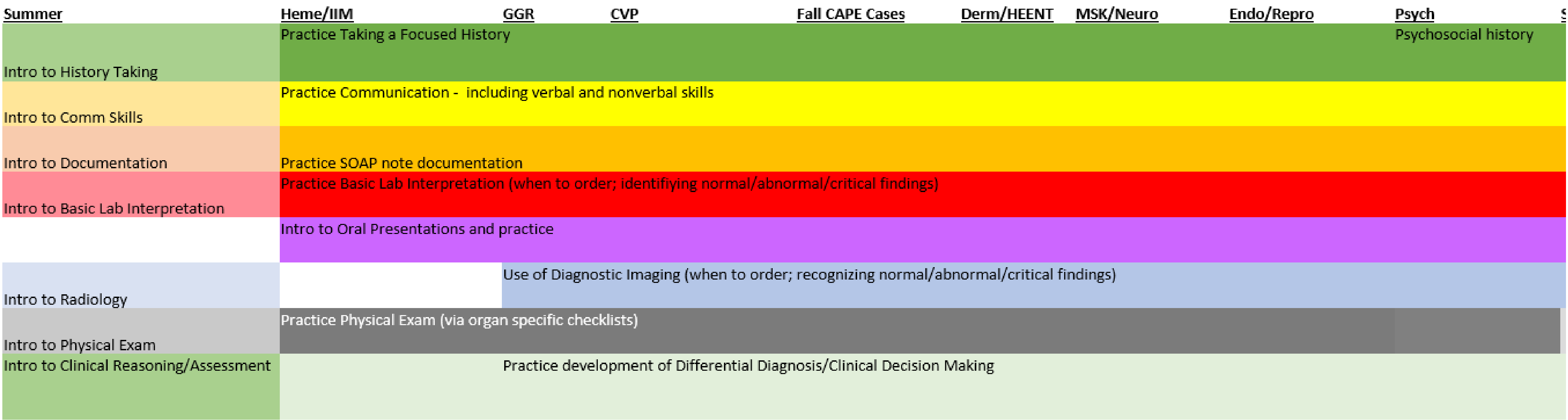
Shaping Clinicians beyond the Textbook: An Interactive, Novel Format For Case-Based Learning

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Background

- Case-based learning (CBL) is widely used in medical programs with 31% of Physician Assistant (PA) programs using CBL as the primary mode of teaching clinical decision-making.³
- To bridge learning gaps identified in the novel Colorado Curriculum at the University of Colorado Child Health Associate/Physician Assistant (CHA/PA) Program, a case development team was tasked with creating a standardized case format to be utilized across the curriculum.



Timeline showing Colorado Curriculum blocks as they intersect with developmental milestones and introduction of new skills during case time.

Novel PPOR Case Format

- This novel case format is called Patient, Provider, Observer, Reporter (PPOR) and it utilizes role-playing with designated tasks for each role to achieve integration and practice of clinical concepts and skills spanning the curriculum.
- Cases are tied to the program's developmental competencies and milestones, ensuring learners are practicing skills appropriate for their level of knowledge.
- This novel approach is modifiable for any health professions program and can also be used in a virtual setting.
- The format also includes a standardized yet adaptable debrief PowerPoint, to guide case time with learners during their didactic training.

Future Plans

- The PPOR format and developmental timeline was introduced in the 2021-2022 academic year.
- In the 2022-2023 academic year, the team plans to explain the PPOR format and developmental timeline to learners at the start of the program to encourage their investment in the format.
- In future years, the team plans to query learners about this format, and assess the success of implementation on learners' performance in standardized assessments.

References

1. Case-Based Learning and its Application in Medical and Health-Care Fields: A Review of Worldwide Literature - [doi: 10.4137/JMECD.S20377](https://doi.org/10.4137/JMECD.S20377)
2. iCBL: An Interactive Case-Based Learning System for Medical Education - <https://doi.org/10.1016/j.ijmedinf.2017.11.004>
3. The Association Between Deep Learning Approach and Case-Based Learning - <https://doi.org/10.1186/s12909-019-1516-z>

