

1-2020

Developing an Online Critical Care Electroencephalography Curriculum for Epilepsy and Neurophysiology Fellows

Anne Woehling

Thomas Jefferson University, anne.woehling@jefferson.edu

Brooke Hancock

Thomas Jefferson University, brooke.hancock@jefferson.edu

Nathanael Lee, MD

Thomas Jefferson University, nathanael.lee@jefferson.edu

Connie Tang, MD

Thomas Jefferson University, connie.tang@jefferson.edu

Allyson Pickard, MD

Thomas Jefferson University, allyson.pickard@jefferson.edu

Follow this and additional works at: https://jdc.jefferson.edu/si_me_2022_phase1

 [Part of the Additional Works Commons](#), and the [Neurology Commons](#)

Let us know how access to this document benefits you

Recommended Citation

Woehling, Anne; Hancock, Brooke; Lee, MD, Nathanael; Tang, MD, Connie; Pickard, MD, Allyson; and Fernandez, MD, Andres, "Developing an Online Critical Care Electroencephalography Curriculum for Epilepsy and Neurophysiology Fellows" (2020). *Phase 1*. Paper 3.

https://jdc.jefferson.edu/si_me_2022_phase1/3

This Article is brought to you for free and open access by the Jefferson Digital Commons. The Jefferson Digital Commons is a service of Thomas Jefferson University's [Center for Teaching and Learning \(CTL\)](#). The Commons is a showcase for Jefferson books and journals, peer-reviewed scholarly publications, unique historical collections from the University archives, and teaching tools. The Jefferson Digital Commons allows researchers and interested readers anywhere in the world to learn about and keep up to date with Jefferson scholarship. This article has been accepted for inclusion in Phase 1 by an authorized administrator of the Jefferson Digital Commons. For more information, please contact: JeffersonDigitalCommons@jefferson.edu.

Authors

Anne Woehling; Brooke Hancock; Nathanael Lee, MD; Connie Tang, MD; Allyson Pickard, MD; and Andres Fernandez, MD

SKMC Class of 2022: SI/ME Abstract

Word count: 240 (excluding title and authors)

***Developing an Online Critical Care Electroencephalography Curriculum for Epilepsy and
Neurophysiology Fellows***

Anne Woehling, Brooke Hancock, Nathanael Lee, MD, Connie Tang, MD, Allyson
Pickard, MD, Andres Fernandez, MD***

(*) indicates primary project advisor

(**) indicates another student who is declaring the same project as primary for SI

Purpose: This project aims to create an Electroencephalography (EEG) curriculum that synthesizes the teachings of current publications and faculty expertise within a single digital platform. The goal is to remedy the unmet need for a centralized resource for learners to use when learning EEG interpretation.

Methods: The target learner population is epilepsy and neurophysiology fellows. The platform will be accessible from any computer, tablet, or phone, allowing for mobile, self-paced learning to take place. To date, the curriculum outline has been designed with extensive literature review and collaboration from other institutions, and two pilot modules have been completed using the story-board platform Articulate. Data about efficacy and usefulness will be collected via learner feedback forms when the program goes live.

Results and Conclusions: We anticipate that fellows will appreciate the streamlined approach to learning high-yield topics in EEG interpretation. The hope is that the platform will save users

time currently spent sifting through textbooks and publications because it incorporates a conglomerate of resources, including qualitative input from experts across the country. That time, in turn, can be spent with more targeted interactions with their teachers (the platform serves as a complement to the existing face-to-face instruction). Learning activities for progress-evaluation will be embedded within each module of the platform with the goal of allowing learners to self-identify areas of improvement to help focus studying efforts. Further results and conclusions will be recorded and updated as progress continues to be made.