

[P05.012] Geriatric Neurology Web Module for Third-Year Neurology Clerkship

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OBJECTIVE: To create a web-module designed to instruct third-year medical students in ten topics critical to geriatric neurology. **BACKGROUND:** To deliver geriatric neurology content in a cohesive, consistent manner, a web-module was developed for use in the third-year neurology clerkship. No similar product has been created to specifically address geriatric neurology in medical education. **DESIGN/METHODS:** A web-module was created for third-year medical students on the neurology clerkship to teach them about ten geriatric neurology topics: Parkinson's disease, stroke, dementia, delirium, peripheral neuropathy, neck/back pain, sleep disorders, temporal arteritis, cranial nerve disorders, and localization of a lesion. Prior to initiation of the web-module, 20 medical students in the neurology clerkship were taught using a standard didactic lecture series. These students were administered a pre- and post-test questionnaire to assess their knowledge of the geriatric neurology topics. After implementation of the web-module, the geriatric neurology topics were no longer included in the didactic lecture series. Instead this information was provided only through the web-module. The first 15 students on the neurology clerkship after implementation of the web-module completed the same pre- and post-test questionnaire to compare performance before and after implementation of the teaching tool. Testing had no effect on the final clerkship grade. **RESULTS:** In both the standard didactic curriculum and the web-module curriculum, there was a statistically significant improvement in pre- and post-test scores ($p < 0.001$), however differences between post-test scores of both curricula were not statistically significant. Pre-test scores, basic science GPA, and Step 1 scores were also not different between the curricula. **CONCLUSIONS/RELEVANCE:** Knowledge of geriatric neurology improved through use of both geriatric neurology didactic lectures and web-module presentation of these topics, and the outcome (post-test score) between the two curricula was not significantly different. Therefore, the geriatric neurology web-module appears to be an effective means of educating third-year medical students in geriatric neurology topics. Supported by: This study was supported by the Kansas Reynold's Program in Aging.