

## Revisiting the Imaging Education Manual

Are you affiliated with a physical therapy educational curriculum? Do you know if that curriculum is making use of the educational resources and recommendations available for informing future practitioners about imaging in physical therapy practice?

Boissonnault et al's study<sup>1</sup> published in 2014 revealed remarkable inconsistency in imaging content in educational curricula. The Imaging Education Manual was subsequently published in 2015 to provide guidance to educational curricula for imaging content. Instructional methodologies, examples of curricular content, and even sample exam questions are provided in the manual to assist faculty in preparation for incorporating imaging related content into respective curricula across the country.

The use of the structure and content provided in the manual are of value not only in entry-level educational curricula, but also helpful for residencies and fellowships incorporating imaging related clinical reasoning.

The Imaging Education Manual is available at [orthopt.org](http://orthopt.org) under the Imaging SIG web page (left side bar). Students would also likely benefit from reading the "white paper" (linked in the same location) titled "Diagnostic and Procedural Imaging in Physical Therapist Practice" (2016).

### REFERENCE

1. Boissonnault WG, White DM, Carney S, Malin B, Smith W. Diagnostic and procedural imaging curricula in physical therapist professional degree programs. *J Orthop Sports Phys Ther.* 2014;44(8):579-586, B1-12. doi: 10.2519/jospt.2014.5379. Epub 2014 Jun 23.

### CSM Scholarship

The Imaging SIG established a scholarship with the first being awarded in 2018 at CSM in New Orleans. The purpose of the scholarship is to encourage growth of research of imaging in physical therapist practice. The prior two winners are Andrew Sprague (2018) and Ruth Maher (2019). Once abstract/proposal acceptances are available for CSM 2020 in Denver, the scholarship application will become available on the Imaging SIG's web page (linked on left sidebar at [orthopt.org](http://orthopt.org)). The received applications are reviewed by the Imaging SIG's Scholarship Committee, headed by Lena Volland, and a winner selected.

Watch for more information about the scholarship application becoming available.

Also, if you are interested in becoming involved with the Imaging SIG or have prior experience in serving in scholarship or award selection processes, here is a perfect opportunity for you. The Scholarship Committee is looking for additional members. If you are interested, please contact [lvolland@usa.edu](mailto:lvolland@usa.edu) for more information.

### Ultrasound in Physical Therapist Practice

If you have even a modest interest in ultrasound as part of physical therapist practice, a recently published article by Whittaker et al

titled "Imaging with Ultrasound in Physical Therapy: What is the PT's Scope of Practice? A Competency-based Educational Model and Training Recommendations" is a worthwhile bit of reading for you. In this open access publication, Jackie Whittaker and colleagues provide an excellent overview of ultrasound imaging in physical therapist practice from perspectives of diagnosis, rehabilitation, intervention, and research. They also describe a framework for education and training along with basic competencies. This is highly recommended reading. The article can be accessed at the *British Journal of Sports Medicine's* website at: <https://bjsm.bmj.com/content/early/2019/04/25/bjsports-2018-100193> or you can simply search by author name and topic.

### AIUM Webinars

Webinars with the American Institute of Ultrasound in Medicine (AIUM) have continued. On May 6, Bruno Steiner, PT, DPT, LMT, RMSK, presented "Monitoring Joint Health, Damage, and Disease Activity Using MSKUS: The MSKUS Experience in Hemophilic Arthropathy Management." On March 12, Charles Thigpen, PT, PhD, ATC, provided "Optimizing Treatment of Rotator Cuff-Related Shoulder Pain Using Diagnostic Ultrasound."

If you missed these webinars, please recall they remain available for your viewing on AIUM's website and on their YouTube channel. These webinars are great opportunities for extremely valuable information at no personal cost.

If you have interest in a particular topic for a webinar or you are interested in presenting or collaborating for a webinar, please contact [crhazl00@uky.edu](mailto:crhazl00@uky.edu).

### Strategic Plan Activities

As part of the Imaging SIG's evolving support for residencies and fellowships, the SIG plans to assist residencies and fellowships with imaging content to encourage growth toward future demands of practice. Exponential growth in orthopaedic residency and fellowship programs has occurred in recent years. Through the efforts of dedicated members, the Imaging SIG is planning to provide instrumental resources for professional entry-level education curricula to enhance the quality and consistency of imaging instruction. Imaging SIG members, Dale Gerke and Evan Nelson are leading a project to determine the educational curricula and instructional design of imaging content in physical therapy residency and fellowship programs in the United States. Electronic surveys will be distributed to orthopaedic residency and fellowship programs in late summer or early fall.

The research arm of the strategic plan is in the final stage of development of the imaging mentor webpage to be posted on the Imaging SIG website. Currently, 16 mentors have agreed to be listed. The imaging modalities include ultrasound, MRI, CT scan, and PET scan. Applications vary across body regions, but include muscle and tendon morphology, muscle and brain activation, joint pathology, tissue stiffness, peripheral nerve entrapment, and image processing. We are currently seeking final approval of the latest version of the webpage from our mentors. Once approved, the webpage will be posted.