FS - (23935) - REIMAGINING ANATOMY: FROM TENDON BIOMECHANICS TO DIGITAL-AGE LEARNING STRATEGIES

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The auhtors/speakers declare that they do not have any conflicts of interest.

Symposium General Presentation/Abstract

This symposium brings together diverse yet interconnected topics that reflect the evolving landscape of anatomical science and education. It combines foundational research on **tendon healing mechanisms** with contemporary challenges in **anatomy instruction for the digital-native generation**.

The first presentation will explore the **mechanisms of tendon healing**, focusing on **pathomechanics and biomechanical testing methodologies**. Understanding how tendons respond to injury and mechanical stress is essential not only for clinicians and researchers but also for anatomists aiming to connect structure with function.

Transitioning to the educational domain, the second session will examine how **social media platforms** can be leveraged to engage digital-native students in anatomy learning. This presentation highlights strategies to transform passive learning into interactive, student-centered experiences using platforms like Instagram, YouTube, and TikTok.

The third presentation challenges the reliance on digital-only methods by asking: **“How effective can anatomy education be without touch and sensation?”** This talk explores the limits of virtual learning and reaffirms the critical role of tactile feedback and embodied learning in anatomy.

Finally, a case study on **transforming practical anatomy education** through a **multimodal approach**—including video-based pre-lab learning, peer teaching, and structured assessment—demonstrates how to integrate technology without losing hands-on value.

This symposium will appeal to anatomists, educators, biomechanical researchers, and medical curriculum developers. It aims to foster interdisciplinary discussion and innovation at the intersection of **biomechanics**, **digital pedagogy**, and **experiential anatomy education**.

Palavras-chave : Tendon Healing, Digital Anatomy Education, Experiential Learning