3 - Clinical Anatomy

OC-002 - (22704) - STRUCTURE AND FUNCTION FUNDAMENTALS: THE HUMAN FASCIAL SYSTEM

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Purpose: In 2018 the scientific world was introduced to a new organ: the interstitium. The misnomer "artifact" of histological preparations in dense irregular connective tissue and other adventitia was finally unveiled from behind an antiquated and incorrect classification. Now the interstitium is seen as one of the most critical organs in pathophysiology. Finally, anatomy got an update and with it new ways to consider health and healing. Eight years later, anatomy is receiving another much-needed reboot.
Methods: Employing dissection, imaging and observation of anatomical connections and continuities, fascia is being reshaped to better mirror complete patient morphology. Experts in the field of fascia facilitated a virtual public forum on fascial anatomy that engrossed over 130 international attendees in an hour and a half discussion on antiquated and archaic nomenclature and ineffective communication across health care providers.
Findings: The reductionist approach to anatomy has robbed the discipline of one of the most ubiquitous systems in the body, the fascial system. To address this challenge, we propose that: 1) fasciae, and the fascial interstitia within them, constitute an anatomical system, defined as a layered body-wide multiscale network of connective tissue that allows tensional loading and shearing mobility along its interfaces.
Significance: A universal language describing the fascial system will aid in breaking down linguistic barriers and facilitate cross-disciplinary cooperation, enabling scientists and practitioners from diverse backgrounds to contribute their expertise seamlessly to the advancement of whole-body anatomy and health.

Palavras-chave : fascial system, connective tissue, interstitium