

Organising institution	Università degli Studi di Padova Dipartimento di Neuroscienze - DNS Prof.ssa Carla Stecco
Partner Institutions	Ulm University (Germany) Fascial Net Plastination Project (Germania) University of Sherbrooke (Canada) Friedrich-Alexander-University of Erlangen-Nurnberg (Germany)
Course Title and Description	<p>Fascial Anatomy</p> <p>This School, which has already been supported with great success in past editions and which has seen considerable participation from all over the world also in the recent online version, is structured with frontal lectures with contents of great scientific relevance and recent discoveries, muscle-fascial dissections from corpses supported by highly qualified personnel, and microscopy and ultrasound imaging laboratories, to learn how to analyse and better understand the fasciae of the human body, analysing their relationships with muscles, vessels and nerves. Participants will have a unique and high quality opportunity to learn about fascial anatomy and physiology.</p> <p>Fascia is a dynamic network of highly complex connective tissue composed of different cell types in abundant extracellular matrix and pervaded by nerve fibres. Each component plays a specific role by responding and adapting to different stimuli. During this School, the main anatomical aspects of the fasciae will be addressed, allowing us to understand and visualise their differences, connections with muscles, vessels, nerves, functions and the main physiological and pathological alterations. Each day we will focus on a particular anatomical district, and investigate an aspect of the fascial system: ultrasound, microscopy, innervation, biomechanical properties. The study days will be organized in 2 hours of lectures. Then participants will be divided into 2 groups: one group will follow the dissection activity, the second the laboratory and in-depth study, then reversing. The preliminary programme includes</p> <p>Day 1: Introduction to the anatomy of the human fascial system. Dissection of the abdominal wall and thorax, and of the dorsal region. Analysis of plastinated samples of human fascia.</p> <p>Day 2: Cellular and molecular aspects of fascia, microscopic anatomy laboratory. Dissection of the lower and upper limbs.</p> <p>Day 3: Innervation of the fasciae. Dissection of the head and neck with attention to the meninges.</p> <p>Day 4: Imaging of the fascia. Dissection of the pelvis</p> <p>Day 5: biomechanical behaviour of the fascia, movement and pain. Dissection of different anatomical parts in groups, supervised by the lecturers</p>
Period	07/02/2022 – 11/02/2022
ETCS credits	4
Course fee	N/A
Course Level	Doctors, physiotherapists, physiatrists, motor scientists, osteopaths, medical and sports professionals and students