TIC Community Talks

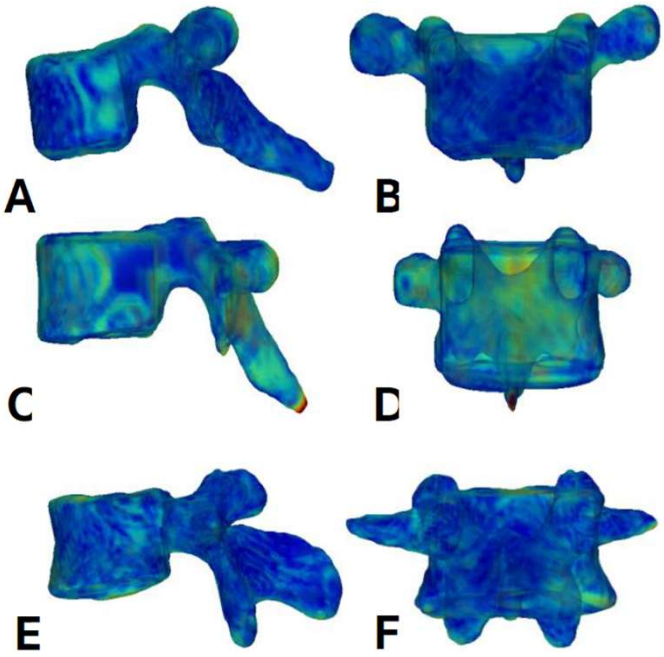
Wednesday, October 7th, 16:00

The seminar will be held as in-person meeting
Location: Auditorium O2.211, sitem-insel, Freiburgstrasse 3, Bern
Broadcast on zoom: https://unibe-ch.zoom.us/j/61079804322

Quantification of vertebral bone morphology in young adults using ultrashort echo time MRI

Salvatore Conticello
ARTORG Center & Spinal Movement Biomechanics Group, Bern

MRI is the preferred modality for soft tissue imaging, yet its capacity to visualize bone remains limited. In contrast, CT provides superior bone imaging but the associated ionizing radiation makes it unsuitable for repeated imaging in pediatric populations. High-resolution imaging is crucial for detecting subtle morphological changes and for assessing growth at the level of individual vertebral bodies. This study evaluates the feasibility of using Ultrashort Echo Time (UTE) MRI sequences to visualize vertebral bone anatomy and to enable reliable morphometric assessments over time.



To stay up to date and find a program of our seminars:
https://www.tic-sitem.ch/tic-seminars