Please follow the rules written below and cancel this sentence in the final abstract.

Category (please select one and erase the other): Oral presentation / Poster presentation

Title

(center your title and use 14 Times New Roman bold font, limited to about 2 lines)

**First Author1\*, Second Author2 and Others3**

1Author affiliation, country; 2 Author affiliation, country; 3 Author affiliation, country.

\*Corresponding authors; e-mail address: XXX

**Abstract**

*Background: ... Methods*: ... *Results*: ... *Conclusions*: …

**Keywords:** three keywords or phrases in order of importance, separated by commas.

**Abstract rules**

It is mandatory to use the abstract submission e-mail (**abstract.icmmb2024@ulb.be**). The abstract should summarize the essential contents of the work, key ideas and results of the paper.

* Please use Times New Roman 10 and single line spacing.
* Limit the abstract up to one page (about 500 words) and put them in four paragraph, including background, methods, results and conclusion, as indicated above (keep this structure).
* Up to 1 figure and 1 table is allowed: figure caption and references do not count for the total word count, but the full abstract should not be longer than one page.
* The abstract should contain only essential reference citations or displayed equations.

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**Topics and codes (choose one)**

**Orthopaedics and Muscoloskeletal:**

* OR = Orthopaedic Implants and Devices
* MUB = Musculoskeletal Biomechanics
* MUI = Musculoskeletal Imaging

**Cardiovascular:**

* CVB = Cardiovascular Biomechanics
* CVI = Cardiovascular Imaging
* CVD = Cardiovascular Implants and Devices

**Tissue Mechanics:**

* HT = Hard Tissues Biomechanics
* ST = Soft Tissue Biomechanics

**Tissue Engineering, Mechanobiology and Biomaterials:**

* MB = Mechanobiology
* TI = Tissue Engineering and Regenerative Medicine
* BM = Biomaterials
* MOL = Cell/Molecular Biomechanics

**Locomotion & Rehabilitation:**

* HM = Human Motion
* OP = Orthotics & Prosthetics
* SB = Sport Biomechanics
* IB = Impact/Injury Biomechanics

**Emerging Topics in Biomechanics:**

* AI = Artificial Intelligence, Models and Complex Systems
* AM = Additive Manufacturing for Biomedical Applications
* HRM = Humanoid Robotics and Mechatronics
* MEA = In-vivo Measurements and Sensor/Biosensors in Biomechanics
* NEU = Advanced Methods for Neurosciences
* NT = Nanotechnology

**Other Topics in Biomechanics:**

* APB = Animal and Plant Biomechanics
* DE = Dental Biomechanics
* OCU = Ocular Biomechanics

**Clinical applications and translational research:**

* TR = Clinical Applications and Translational Research

**Other:**

* O = Other