

Session Program

26-31 May 2024



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2024 CAP Congress / Congrès de l'ACP 2024

***(DPMB/DAPI) W1-6 Medical Imaging I |
Imagerie médicale I (DPMB/DPAE)***

Western University

Wednesday 29 May

08:15

(DPMB/DAPI) W1-6 Medical Imaging I | Imagerie médicale I (DPMB/DPAE)

Session | Location: Social Science Centre, Western U., SSC Rm 2024 (cap. 137)

08:15-08:45 Medical Ultrasound 101 — a Glimpse into State of the Art

Speaker
Prof. Tamie Poepping

08:45-09:00 (G*) A Four-Dimensional Ultrasound System for Assessing Ligament Laxity in Basal Thumb Osteoarthritis

Speaker
Randa Mudathir

09:00-09:15 (G*) Realization of automated whole breast 3D Doppler ultrasound for characterization of breast lesions

Speaker
Amal Aziz

09:15-09:30 (G) Three-Dimensional Ultrasound for Investigating Synovial Blood Flow Changes with Exercise in Thumb Osteoarthritis

Speaker
Randa Mudathir

09:30-09:45 (G) Toward radiotherapy dose planning for cervical brachytherapy procedures using three-dimensional ultrasound images

Speaker
Tiana Trumpour

09:45-10:00 (G) Toward Accurate Prostate Cancer Diagnosis: Integrating PET Imaging with 3D TRUS Biopsy Techniques

Speaker
Amal Aziz

10:00