

[T1D] Session D. Radiation Dosimetry in Radiological Sciences and Emergency	
Date / Time	December 8 (Thu.), 2022 / 13:00-14:40
Place	S305 (3F)
Chairpersons	Dr. Jungil LEE (KAERI) Dr. In Jung KIM (KRISS)

T1D_01

13:00-13:20

Update of ESR/Alanine Dosimetry for Electron Beam at KRISS

Jong In Park, In Jung Kim, Chul-Young Yi, Yun Ho Kim, Young Min Seong, Hyun Moon Kim, Sangmin Lee

Korea Research Institute of Standards and Science, Republic of Korea

T1D_02

13:20-13:40

Development of Techniques for Precision Dose Measurement and Control Based on National Measurement Standard for the Realization of Flash-RT

In Jung Kim, Jong In Park, Chul-Young Yi, Yun Ho Kim, Sangmin Lee, Young Min Seong, Hyun Moon Kim

Korea Research Institute of Standards and Science, Republic of Korea

T1D_03

13:40-14:00

Simultaneous Overmodulated Multi-Harmonic Signals Acquisition Using Digital Signal Processing for L-Band EPR Tooth Dosimetry

Jeonghun Oh¹, Chang Uk Koo¹, Jong In Park², Kwon Choi¹, Junyoung Lee¹, Hiroshi Hirata³, Sung-Joon Ye^{1,4}

¹Seoul National University, Republic of Korea, ²Korea Research Institute of Standards and Science, Republic of Korea, ³Hokkaido University, Japan, ⁴Seoul National University Hospital, Republic of Korea

T1D_04

14:00-14:20

Motion Compensation System for In Vivo Electron Paramagnetic Resonance Tooth Dosimetry

Chang Uk Koo¹, Jong In Park², Jeonghun Oh¹, Kwon Choi¹, Hiroshi Hirata³, Sung-Joon Ye^{1,4}

¹Seoul National University, Republic of Korea, ²Korea Research Institute of Standards and Science, Republic of Korea, ³Hokkaido University, Japan, ⁴Seoul National University Hospital, Republic of Korea

T1D_05

14:20-14:40

Enhanced Dosimetric Accuracy Using Quality Factor Compensation Method for In Vivo Electron Paramagnetic Resonance Tooth Dosimetry

Kwon Choi¹, Chang Uk Koo¹, Jeonghun Oh¹, Jiwon Kim¹, Jong In Park², Sung Hwan Kim³, Jong Hun Lee³, Dae Gyu Kang³, Sung-Joon Ye¹

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