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### APPLICATION OF REFLECTANCE CONFOCAL MICROSCOPY FOR EARLY DIAGNOSIS OF RADIATION-INDUCED ACUTE DERMATITIS IN RADIOSENSITIVE PATIENT: CASE STUDY.

*Ki?onas J, Venius J, Sevriukova O, Grybauskas M, Guogyte K, Burneckis A, Rotomskis R. Radiat Prot Dosimetry. 2018 Dec 1;182(1):93-97. doi: 10.1093/rpd/ncy135.*

#### **ABSTRACT**

According to the guidelines on cancer treatment up to 52% of newly diagnosed cancer patients should be treated with external beam radiotherapy. Ionizing radiation (IR)-induced skin injury (radiation dermatitis) occurs in up to 95% of radiotherapy patients and can manifest from mild erythema till necrosis and ulceration. Individual radiosensitivity was proposed to be an important factor for the development of adverse reactions to IR. Therefore, assessment of radiosensitivity could be useful in predicting and dealing with radiation injuries caused by both radiotherapy and accidental overexposure. Here, we present a case of early diagnosis of IR-induced skin lesions performed by reflectance confocal microscopy in comparison to clinical evaluation in a highly radiosensitive patient. PMID: 30137559 DOI: 10.1093/rpd/ncy135