

Debunking Myths and Urban Legends in Ionizing Radiation Dosimetry

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Urban legends and myths regarding various dosimetry technologies have been promulgated throughout the health physics community. This presentation deals head-on with several widely quoted myths about various external dosimetry technologies and limitations of various dosimeters associated with accreditation testing. The presentation examines data from scientific studies and published papers in relation to key type testing parameters of dosimetry systems including fade and lower limit of detection. In addition, NVLAP scope of accreditation will be compared for various dosimetry technologies and what this could mean to a Radiation Safety Officer in selecting an appropriate dosimeter for the radiation fields encountered by the workers.