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The physical basis of contemporary dosimetry protocols

In this review lecture, we will explore the physics behind the contemporary codes of practice for dosimetry based on standards of absorbed dose to water, such as the widely used protocols TRS 398 of the IAEA or TG 51 of the AAPM. In particular, we will review the basic concepts of cavity theory and take a pedagogic approach to understanding its role as an essential component of the formalism of these dosimetry protocols.

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