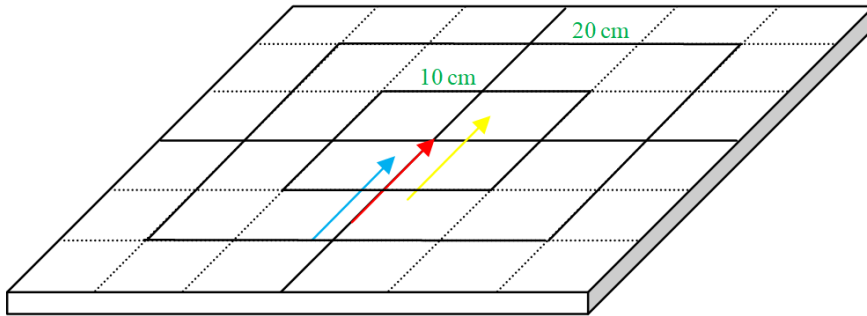
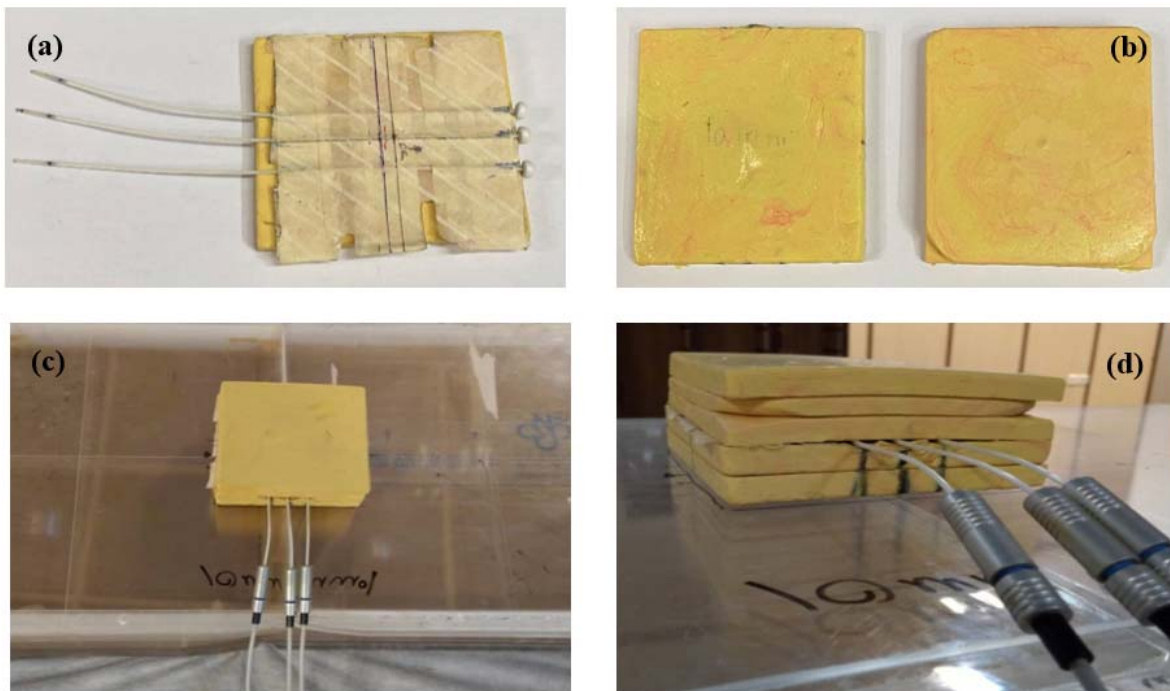


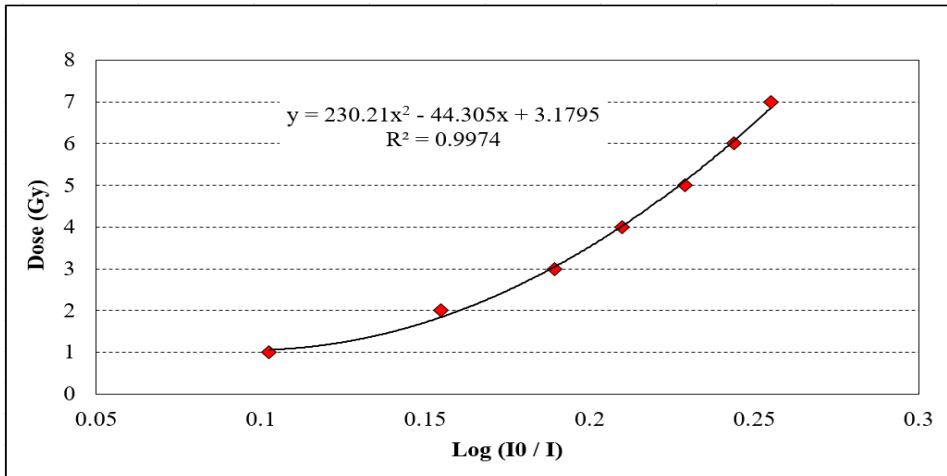
## Supplementary File



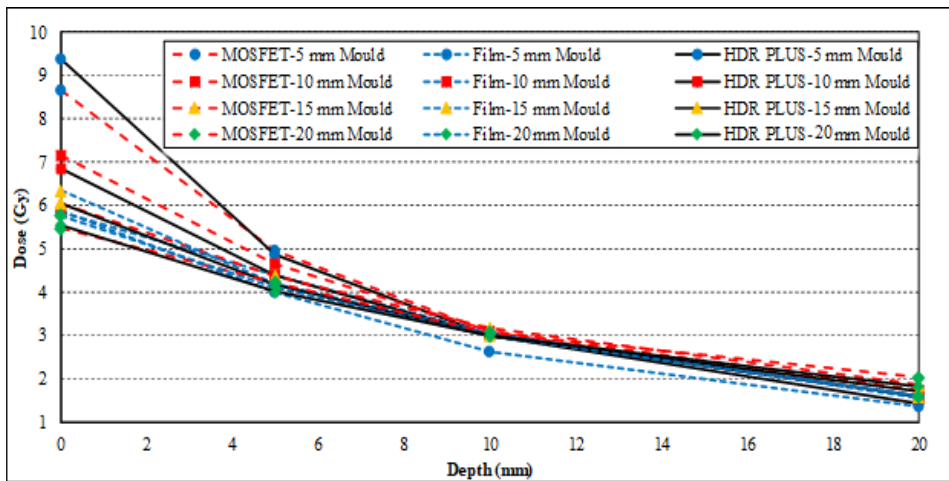
**Figure S1.** Schematic illustration of jig and color-coded MOSFETs used for radiation dose measurements



**Figure S2.** Constructed molds and setup configuration for film dosimetry. **AB.** BT catheter fixation and molds with different thicknesses; **CD.** Setup arrangement using water equivalent trays for film dosimetry



**Figure S3.** calibration curve of GAFCHROMIC™ EBT3 film



**Figure S4.** Comparison between calculated dose in TPS, GAFCHROMIC™ EBT3 film, and the central red MOSFET in 4 depths (i.e., 0, 5, 10, and 20 mm) and for four different molds (with 5, 10, 15, and 20 mm)