

# PET/CT Specificities in $^{90}\text{Y}$ Imaging Post Radioembolization

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## Abstract

This article presents a comprehensive review of the  $^{90}\text{Y}$  PET/CT challenges in imaging post liver radioembolization. Specificities of the different PET systems are identified. Conclusions are drawn to help the design of phantom validation studies, quantification of intrahepatic activity, assessment of tumor dosimetry, and checking of extrahepatic sphere delivery in clinical routine.

**Keywords:** Dosimetry; Liver radioembolization; PET; Quantification; Yttrium-90.

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