

Volume Cible	Dose totale/fractions	Technique recommandée	Technique possibles acceptables	Techniques déconseillées	Techniques en cours d'évaluation
Rachis irradiation palliatives antalgique					
Vertèbre(s) atteinte(s) et une vertèbre sus – et sous- jacente	20 – 30 Gy/4-10 fractions (Exceptionnellement 8 Gy/1 séance)	Radiothérapie conformationnelle tridimensionnelle	Radiothérapie conformationnelle avec modulation d'intensité	Radiothérapie hémicorporelle	Irradiation large multisites
Extension extravertébrale, en particulier intracanaulaire (IRM)	20 – 30 Gy/4-10 fractions		Radiothérapie bidimensionnelle	Faisceau unique postérieur	
Os long					
Lésion osseuse (+extension aux parties molles) + marges 5 cm craniocaudal / 2 cm latéral	20 – 30 Gy/ 10 fractions (Exceptionnellement 8 Gy / 1 fraction)	Radiothérapie conformationnelle tridimensionnelle	Radiothérapie bidimensionnelle	Faisceau unique	Irradiation large multisites
Irradiation après chirurgie (os long ou vertèbre)					
Volume cible anatomoclinique : tout le matériel chirurgical et la cicatrice	30Gy / 10 fractions 20Gy / 5 fractions	Radiothérapie conformationnelle tridimensionnelle	Radiothérapie bidimensionnelle	Faisceau unique Irradiation circulaire	
Compression médullaire opérée ou non opérée	30Gy / 10 fractions ^a 20Gy / 5 fractions (exceptionnellement 8-10Gy / 1 séance) ^a	Radiothérapie conformationnelle tridimensionnelle	Radiothérapie conformationnelle avec modulation d'intensité		Stéréotaxie hypofractionnée
Douleurs neuropathiques	20-30Gy / 4-10 fractions (exceptionnellement 8-10Gy / 1 séance ¹)	Radiothérapie conformationnelle tridimensionnelle	Radiothérapie conformationnelle avec modulation d'intensité		
Ré-irradiation					
Limité au volume atteint	Dose adaptée selon les doses antérieurement reçues	Radiothérapie conformationnelle tridimensionnelle Radiothérapie conformationnelle avec modulation d'intensité Stéréotaxique		Faisceau unique	
Métastase unique (oligométastase)					
Volume adapté selon extension (International Spine Radiosurgery Consortium Consensus Guidelines)	Dose tumoricide Selon protocole Dose adaptée selon segment médullaire à proximité	Dans le cadre d'un essai thérapeutique Radiothérapie conformationnelle tridimensionnelle Stéréotaxie	Stéréotaxie Radiothérapie conformationnelle avec modulation d'intensité +/- volumique		

^a Evidence-based medicine (EBM).**Tableau 7 - Synthèse des recommandations de la radiothérapie dans les métastases osseuses (Extrait de (113))**

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