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assessment and decision-making.

Emerging Technologies

Arti cial intelligence (AI)

Arti cial intelligence has made signi cant inroads in neuroradiology, particularly in image interpretation. Machine learning algorithms can assist radiologists in the detection and characterization of neurological lesions, such as tumors and aneurysms [6]. AI-driven so ware also enables the automated segmentation of brain structures, saving time and increasing precision.

3D printing

ree-dimensional (3D) printing is revolutionizing the preoperative planning of complex neurosurgical procedures. Radiologists can