A novel film calibration method, applied to stereotactic cone commissioning

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Purpose: To present a film calibration technique that uses a few stereotactic cone irradiations on a single strip of film to generate the cone’s dose profile, and its application to the commissioning of stereotactic cones in radiation oncology.

The Prognostic Value of Post-Void Residual Urine Volume, Abdominal Prostate and Transrectal Prostate Ultrasound for Complication of Benign Prostate Hyperplasia: A Case Report Sonographic Analysis

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This case report aimed to evaluate the sonographic usefulness of gray-scale transrectal ultrasound (TRUS), transabdominal prostate ultrasound (TAPUS) and post-void residual (PVR) urine volume in the detection of an enlarged prostate. Benign prostate hypertrophy (BPH) is a common complaint in older men with clinical outcomes such as urinary hesitancy, bladder distention...
Pediatric brain tumors are the most common solid tumors that develop in children second only to leukemia. They also account for the most cancer deaths in this patient population [1]. 7% of all the brain tumors that were diagnosed between 2006 and 2010 in the United States were in patients younger than 20 years of age [2]. Infratentorial tumors account for 45%-60% of b...