From Editor's Desk

Dear Readers,

As we wrap up another year of remarkable advancements and insights in diagnostic pathology and oncology, the December 2024 issue of the IP Journal of Diagnostic Pathology and Oncology brings to light another compelling collection of articles. These contributions reflect the ongoing evolution of our field and its intersections with technology and clinical innovation.

The review article, *Deep Learning Models for Tumor Detection and Segmentation in Medical Image Analysis: A Comprehensive Review of ResNet*, U-Net, DETR, and *Inception Variants*, provides an in-depth exploration of state-of-the-art AI models. It highlights their transformative role in automating tumor detection and segmentation, enhancing diagnostic precision and efficiency. This article serves as a vital resource for those navigating the rapidly expanding domain of AI in medical imaging.

In *Intracranial Lesions: Histopathological and Radiological Correlation*, the authors present a retrospective and prospective study that bridges histopathological findings and radiological imaging. This work emphasizes the importance of multidisciplinary approaches in diagnosing complex central nervous system lesions, paving the way for improved clinical outcomes.

The original article on *Comparison of Proliferative Potential in Variants of Ossifying Fibroma (OF) of the Craniofacial Complex* delves into the nuances of these rare lesions.

Additionally, this issue features intriguing case reports that highlight rare and diagnostically challenging conditions, offering learning opportunities for practitioners and researchers alike.

I extend my heartfelt gratitude to our contributors, reviewers, and readers for their continued support and dedication. Let us continue to push the boundaries of knowledge and practice in diagnostic pathology and oncology in the years to come.

I also congratulate the publishing team for bringing out this wonderful issue on time.

Happy reading.!

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