

KSUM 2026

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Speaker : Wei-Che Lin

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Specialty : Thyroid

Lecture Title : Thyroid Artery Embolization vs. RFA: Comparative Efficacy and Safety

PT No. : SP04-S2

This presentation explores the evolving landscape of minimally invasive treatments for symptomatic thyroid nodules, focusing on the comparative analysis of **Transarterial Embolization (TAE)** and **Radiofrequency Ablation (RFA)**.

Key Discussion Points:

Clinical Efficacy: While RFA is established as a gold standard for volume reduction in benign cold nodules and select papillary microcarcinomas, TAE has emerged as a potent alternative, particularly for hyperfunctioning nodules or highly vascular lesions where traditional ablation might face a "heat-sink" effect.

Safety and Tolerability: We contrast the specific complication profiles, such as RFA's potential for recurrent laryngeal nerve injury versus TAE's risks associated with non-target embolization and post-procedural pain.

Strategic Selection: The session reviews recent clinical data to determine the optimal intervention based on nodule vascularity, size, and the patient's thyroid functional status.

By comparing these two thermal and ischemic modalities, this talk aims to provide a clear framework for selecting the safest and most effective organ-preserving therapy for thyroid patients.