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主題：

Exploring the Clinical Evolution and Transforming AF Ablation.

摘要：

Catheter ablation has progressively become a cornerstone in the treatment of atrial fibrillation (AF), particularly for patients who do not respond to pharmacological therapies. Over the past few decades, the clinical approach to AF ablation has evolved significantly, driven by technological advancements, improved procedural techniques, and a better understanding of arrhythmogenic substrates. High-resolution mapping systems, contact force-sensing catheters, and new energy modalities have enhanced procedural accuracy and safety. Among these, pulsed field ablation (PFA) has recently garnered attention as a promising modality that selectively targets myocardial tissue through non-thermal irreversible electroporation, minimizing collateral damage to surrounding structures such as the esophagus and phrenic nerve. Research into the effects of PFA suggests that it may offer faster, more precise ablation with potentially lower complication rates. This talk will explore the clinical evolution of AF ablation, highlights the role of PFA, and discusses the potential perioperative and anesthetic implications of these technological advancements in AF management.