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#### ACCEPTED MANUSCRIPT

# ENDOBRONCHIAL FORCEPS-ASSISTED AND EXCIMER LASER-ASSISTED INFERIOR VENA CAVA FILTER REMOVAL: THE DATA, WHERE WE ARE, AND HOW IT'S DONE

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#### **KEYWORDS:**

Endobronchial Forceps; Excimer Laser; Inferior Vena Cava Filter; IVC Filter; Filter Removal; Filter Retrieval; Complex Filter Removal; Embedded

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#### **ABSTRACT**

The recognition of inferior vena cava filter related complications has motivated increased attentiveness in clinical follow-up of patients with inferior vena cava filters and has led to development of multiple approaches for retrieving filters that are challenging or impossible to remove using conventional techniques. Endobronchial forceps and excimer lasers are tools for designed to aid in complex inferior vena cava filter removals. This article discusses endobronchial forceps-assisted and excimer laser-assisted inferior vena cava filter retrievals.

#### **INTRODUCTION**

The recognition of inferior vena cava (IVC) filter related complications has motivated increased vigilance in clinical follow-up of patients with IVC filters and has led to development of multiple strategies for retrieving filters that are challenging or not

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