

Title: Endovascular Treatment of Acute Obstructive Shock Associated with Inferior Vena Cava Filter Thrombosis

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Abstract:

Background: Inferior vena cava (IVC) thrombosis is a known complication of IVC filter placement. Patients may present with symptoms of acute caval thrombosis or chronic caval occlusion if development is more insidious. Rarely, patients can develop acute obstructive shock. The optimal treatment approach for obstructive shock caused by an acute IVC thrombosis is not well established.

Case: We herein report a case of acute obstructive shock secondary to occlusive IVC thrombosis occurring in a patient with an IVC filter. Successful mechanical thrombectomy resulted in immediate hemodynamic recovery with real time improvement in hemodynamic indices and shock status.

Conclusion: This case highlights the role of emergent mechanical thrombectomy in the management of the potentially lethal complication of acute obstructive shock due to IVC filter thrombosis.

