Robotic Vena Cava Surgery

Samuel R. Money, M.D., M.B.A.
Victor J. Davila, M.D.
Erik P. Castile, M.D.

From Mayo Clinic-Arizona Departments of Vascular Surgery and Urology

Disclosures

• Nothing to Disclose

Vena Caval Surgery

• Open vena caval surgery is rare
• Open vena caval surgery is performed mostly for renal cell tumors extending into the inferior vena cava (IVC)
• Rarely open vena caval surgery is required to move IVC filters that have failed endovascular removal and have complications

Vena Caval Surgery

• In an effort to evaluate the efficacy of Da Vinci robotic vena caval surgery, we undertook this study.
• IRB approval was obtained
Results

• All patients did well from surgery
• All patients ambulated on post-op day 1
• Regular diet was resumed on 9 out of 10 patients post-op day 2
• One patient had a colon injury during the radical nephrectomy, which was repaired robotically
• Mean length of stay for the total group was 3.5 days and it did not differ between the 2 groups