

Abstract 24**Endoluminal Graft Repair of AAA by Vascular Surgeons at a Nonclinical Trial Center**

Purpose: To compare early results and complication rates of commercially available endoluminal grafts (ELG) for abdominal aortic aneurysm (AAA) performed by a team of vascular surgeons at a nontrial center with those of published results from trial centers.

Method: A retrospective chart review of all patients undergoing endoluminal graft repair of AAA at our medical center.

Results: From Oct 1, 1999 to Sept 1, 2000 a team of vascular surgeons electively repaired AAA's in 67 patients at a regional referral center. Of these 67 patients, 39 were performed with a commercially available ELG (29AneuRx, 10 Ancure). Primary technical success rate was 100% with 30-day mortality of 2.6%. Average hospital length of stay was 3.03 days with ICU stay of 1.24 days. Average operative estimated blood loss was 579 ml. (100-2500) with average transfusions of 0.61 units prbc (0-6). Ninety percent of ELG patients left the hospital without complications (1 bilateral wall stents, 2 fem-fem grafts for limb occlusion). Two of 13 patients (15%) with 6 month CT follow-up have evidence of endoleak. All 6 month follow-up patients have shown decreasing aneurysm size except one patient with an endoleak who has a stable aneurysm size.

Conclusions: A team of vascular surgeons at a nonclinical trial center can safely perform ELG for AAA with results similar to published series from trial centers.