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Title of the presentation:

**VISCERAL DEBRANCHING FOLLOWED BY STENT GRAFT FOR  
TREATMENT OF ABDOMINAL AORTIC ANEURYSM.**

Authors and Institute:

**Dr Shubham Bodhankar**

**Datta Meghe Institute of Higher Education & Research Sawangi  
Wardha**

## Introduction/ Review of Literature:

- ✓ Abdominal aortic aneurysms (AAAs) typically present in elderly patients with serious comorbidities and their treatment remains a challenge.
- ✓ Because fewer than 40% of patients with large untreated AAAs survive beyond three years, an operative approach is indicated with an encouraging life expectancy .
- ✓ The hybrid repair of AAAs has emerged as an alternative to traditional open repair.
- ✓ The hybrid procedure, first described in 1999 by Quiñones-Baldrich and colleagues, consists of debranching of the renal and visceral arteries followed by endovascular stent graft of the aneurysm.

## Aims/ Objectives:

To treat the abdominal aortic aneurysm.



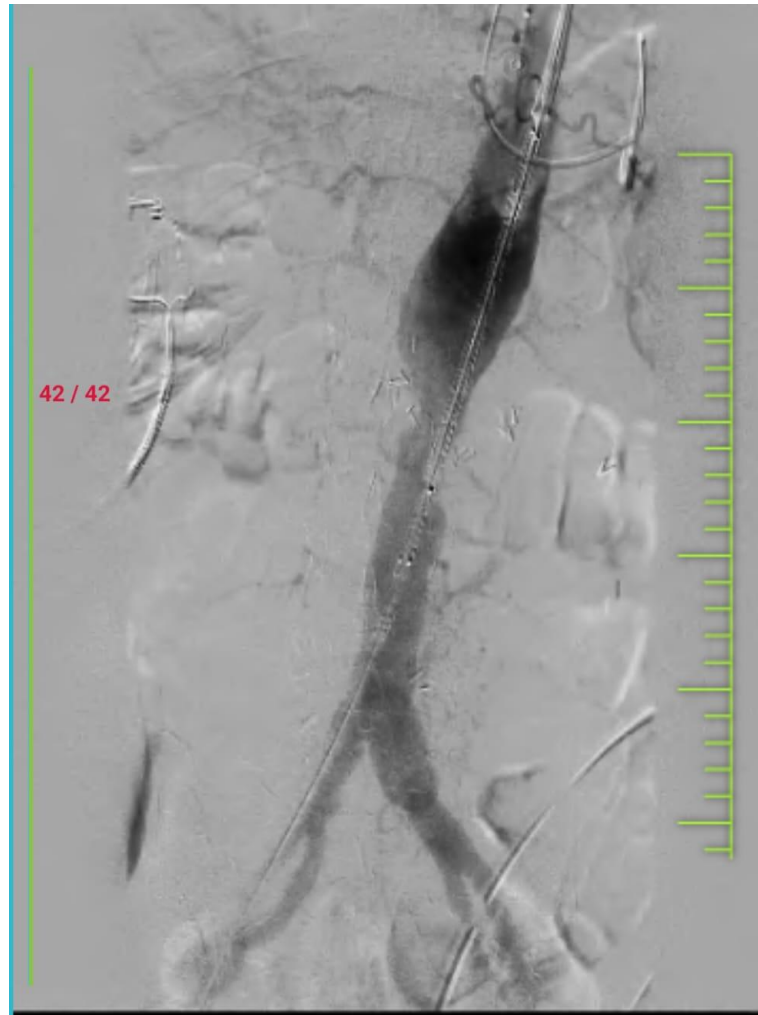
## Methodology:

- ✓ Surgical devascularization is an open laparotomy procedure by placement of graft anastomosis between superior mesenteric artery and left renal artery with left iliac artery by end to side anastomosis and right renal artery with end to end anastomosis followed by a reverse stent graft placement.
- ✓ The reverse slider technique using the Endurant stent graft is placed across the aneurysmal dilatation of abdominal aorta.

## Results:

- ✓ Abdominal aortic aneurysm treatment achieved by Superior mesenteric artery and bilateral renal artery anastomosis with bilateral common iliac artery with aortic stent graft is placed across the aneurysmal dilatation of abdominal aorta.
- ✓ System helps overcome the weaknesses of EVAR for patients with abdominal aortic aneurysm having anatomically unsuitable for fenestrated and side branched endografts.
- ✓ This technique is expected to achieve more effective proximal sealing.  
However, long-term follow-up is required.

## Representative images:



## Conclusion:

- ✓ Endovascular techniques for the treatment of Abdominal aortic aneurysm, hybrid procedures may continue to have a role in those patients anatomically unsuitable for fenestrated and side branched endografts.
- ✓ Abdominal aortic aneurysm the hybrid technique is associated with a considerable morbidity and mortality rate.
- ✓ The technique should be reserved for high volume centers with accumulated experience and high standards of perioperative management.



## References:

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2. Haulon S, D'Elia P, O'Brien N, et al. Endovascular repair of thoracoabdominal aortic aneurysms. Eur J Vasc Endovasc Surg 2010;39:171-8.
3. Haulon S, D'Elia P, O'Brien N, et al. Endovascular repair of thoracoabdominal aortic aneurysms. Eur J Vasc Endovasc Surg 2010;39:171-8.
4. Biasi L, Ali T, Loosemore T, et al. Hybrid repair of complex thoracoabdominal aortic aneurysms using applied endovascular strategies combined with visceral and renal revascularization. J Thorac Cardiovasc Surg 2009;138:1331-8.