Possible Long Term Disadvantages of a Suprarenal Bare Stent With AAA EVAR Endograft

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Disclosures

• IP owner:
  – FR13/61292
  – PCT/EP2014/073755

• Vasular Mind owner:
  Vmind is licensed for Universal Snorkel Device development

CCM CHIMNEY EARLY STUDY
October 2013 – October 2015

• Nb: 41
• Technique: NBS aortic cuff / BE parallel stents
• Primary: 34
• Secondary: 7

• TALENT: 1
• ZENITH: 1
• AFX: 1
• ENDURANT: 3
• ANASTOMOTIC FALSE ANEURISM: 1

• Type of Chimney: 3 // stents

DISEASED NECK EVOLUTION: natural history vs/and bad EAG indication?

OVER BARE STENT CHIMNEY MAXIMISES STENT STRESS
OVER BARE STENT CHIMNEY = Structural Conflict

Secondary chimney over BS bifurcated EAG

SECONDARY CHIMNEY OVER NBS BIFURCATED EAG

NON BARE STENT juxta renal CHEMINEY

CHIMNEY OVER BS DEVICE MAXIMISES EAG STRESS

CHIMNEY OVER BS DEVICE MAXIMISES EAG CONSTRAINTS

CHIMNEY OVER BS DEVICE MAXIMISES SIDE BRANCH STRESS

AAA EVOLUTION RELATED CLASSIFICATION

DISEASE FREE INFRA RENAL NECK

NO INFRA RENAL NECK

DISEASED CYLINDRICAL INFRA RENAL NECK
CONCLUSION

• Juxta and Suprarenal Bare Stent Fixation compromizes proximal extension to coeliac aorta:
  • Mechanical contrainsts exerted by preimplanted BS EAG
  • More challenging access of visceral arteries

• Mid and Long Term Evolution of Infra Renal Neck Leads to Reconsider the Use of BS Supra Renal Fixation

• Is There Still a Need for BS endoprothesis for AAA?