Vascular & Interventional Radiology Symposium for Medical students

STENTING and ANGIOPLASTY

Claudio Schönholz, MD
Charles T. Dotter (1920-1985)

“It’s a gross oversimplification of course, but it means to me that if a plumber can do it to pipes, we can do it to blood vessels”
Andreas R. Gruentzig
(1939-1985)

1974 — Andreas Gruentzig performs first peripheral human balloon angioplasty
JULIO PALMAZ
ENDOLUMINAL STENT-GRAFT ASSOCIATED CONDITIONS

- Severe coronary disease: 54 Patients
- Acute myocardial infarction: 23 Patients
- Severe pulmonary disease: 26 Patients
- Renal failure: 5 Patients
- Hepatic failure: 1 Patient
- Intermittent claudication: 33 Patients
- Stroke: 10 Patients
- Hostile abdomen: 2 Patients
- D.I.C.: 1 Patient
High Risk Patients: ASA III and IV

Hostile Abdomen
PROTOTYPES

- Self-expandable box with a zig-zag configuration covered with nylon.
- Silastic bag with cylindrical lumen.

“Both designs were abandoned due to the poor result during animal experimentation”
AORTO-UNI-ILIAC STENT-GRAFT

1991
FIRST AAA TREATED WITH A MODULAR BIFURCATED STENTOR DEVICE BY DR. CLAUDE MIALHE
Excluder  
Zenith  
AneuRx
Tributary Iliac Bifurcation System
Fenestrated Endograft
8 Month Follow-up