

Laurea Honoris Causa in Medicina e Chirurgia

Professor Juan Carlos Parodi MD

Honorary Member of the American College of
Surgeons

Honorary Professor of Surgery, Universidad de Buenos
Aires

- Chancellor of the University of Genova: Mr. Giacomo Deferrari
- President of the Medical and Pharmaceutical School : Mr. Roberto Fiocca
- Chief of Vascular and Endovascular Surgery: Dr Domenico Palombo.

Scientific Discoveries and Advances in Medicine by Italian Scientists

- [Atherosclerosis](#) was first described by [Leonardo Da Vinci](#) in the 1500s
- [Cardiac Stem Cell Therapy](#) for heart failure was developed by Dr Piero Anversa and Dr Roberto Bolli [105]
- [Chronic Cerebrospinal Venous Insufficiency](#) a condition linked to [Multiple Sclerosis](#) was first described by Doctor [Paolo Zamboni](#) in 2008
- [Digestive Processes](#) Digestive were first described by [Lazzaro Spallanzani](#)
- [Stem Cells](#) responsible for causing Colon Cancer were isolated and described by Ruggero DeMaria and his team in 2007 [106]

Scientific Discoveries and Advances in Medicine by Italian Scientists

- [Golgi Apparatus](#) was first described by Camillo Golgi
- [Nerve Growth Factor](#) was discovered by Italian biochemist [Rita Levi-Montalcini](#)
- [Oncoviruses](#) or viruses capable of causing cancers were first isolated and described by biologist [Renato Dulbecco](#)
- [Reverse transcriptase](#) a viral enzyme discovered by biologist [Renato Dulbecco](#)
- [SARS virus](#) was discovered by [Carlo Urbani](#) in 2003, the discovery cost him his life
- [Venturi effect](#) a phenomenon named after its discoverer, Italian physicist [Giovanni Battista Venturi](#)

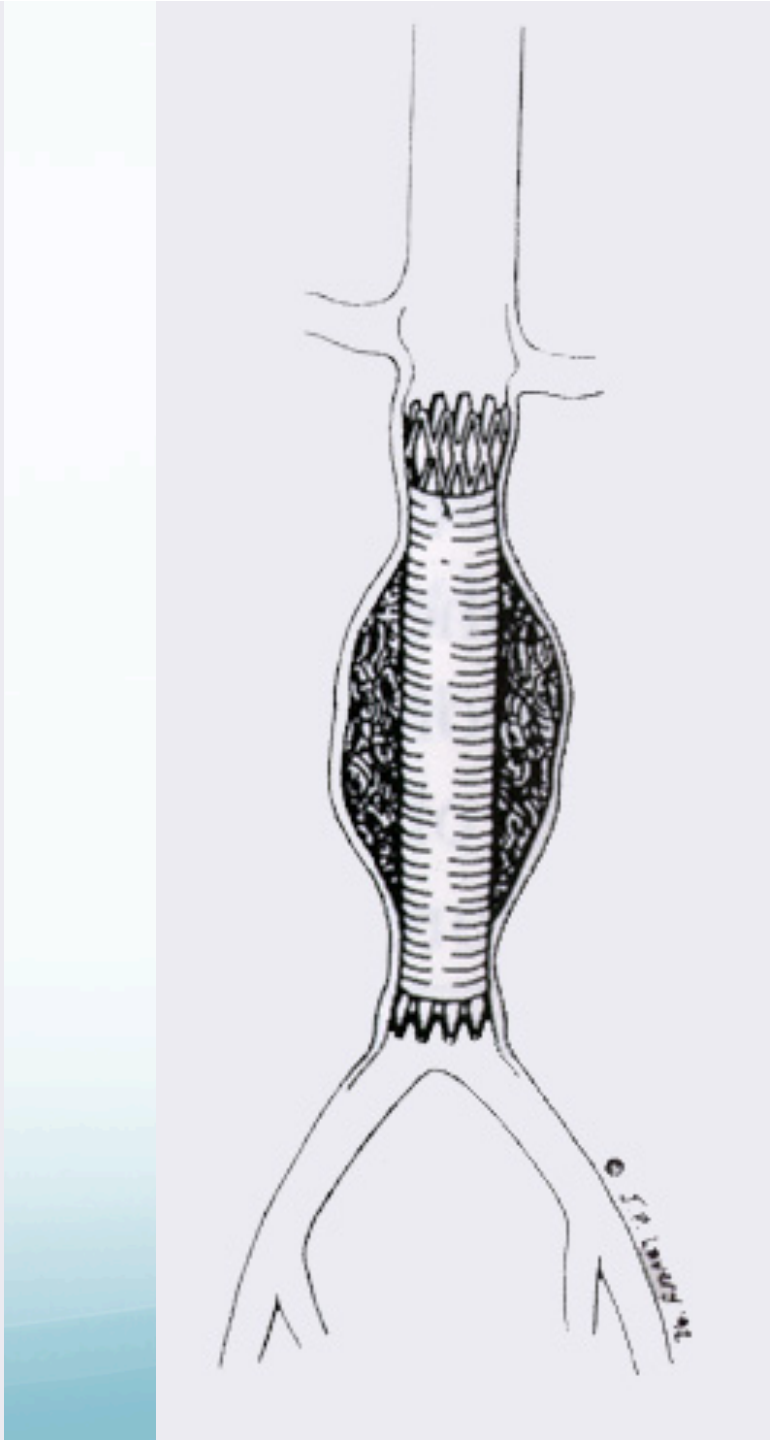
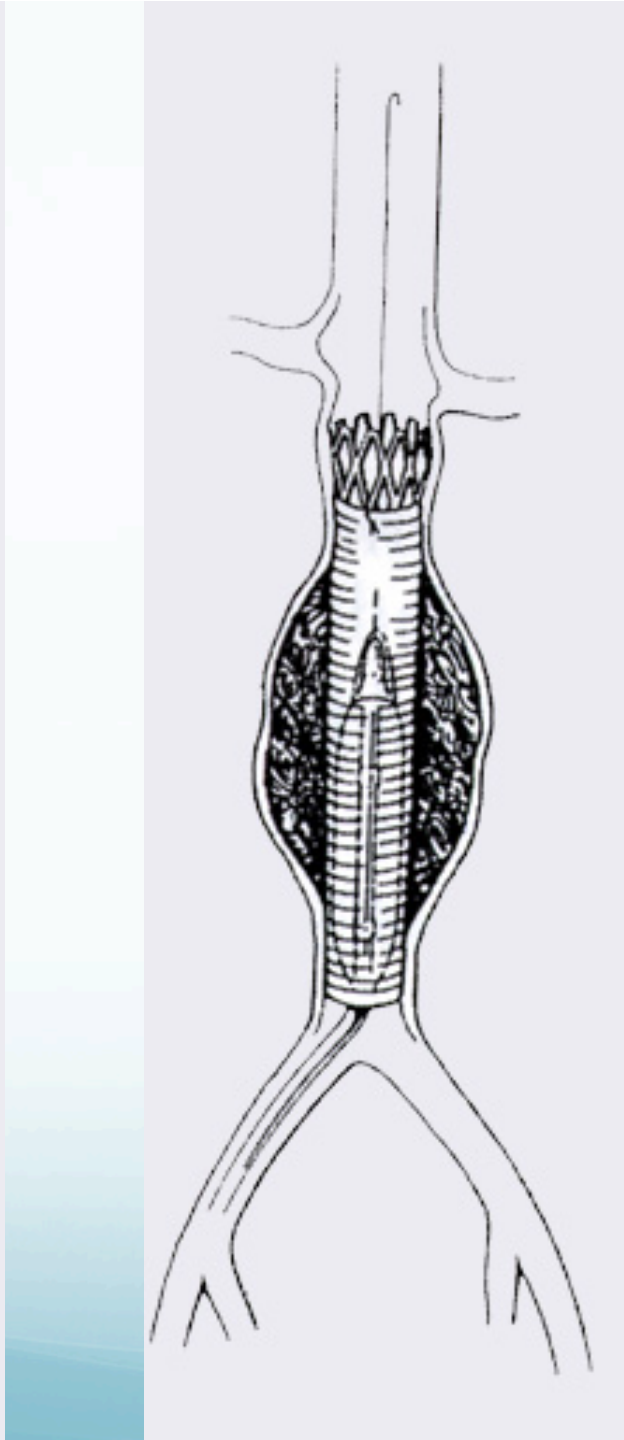
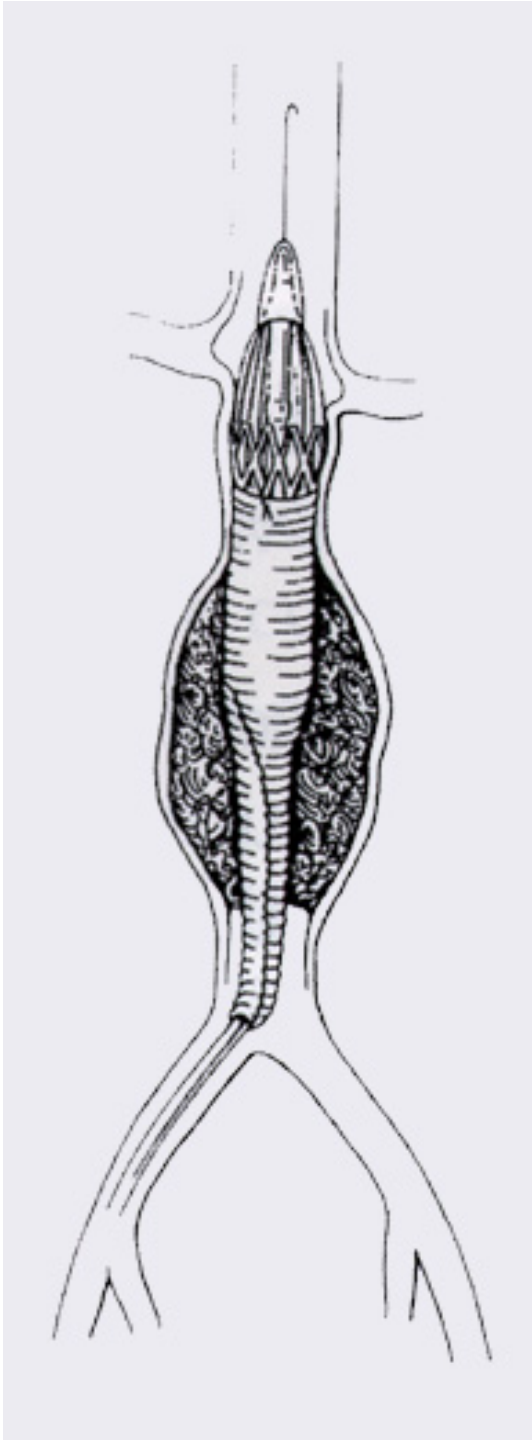
Scientific Discoveries and Advances in Medicine by Italian Scientists

- [Artificial Heart](#) . First Artificial Heart to be implanted in a human being was created by [Domingo Liotta](#) Argentinian Italian
- [Coronary stent](#), medical device co-invented by Dr. Cesare Gianturco in 1976
- [Knockout mice](#), genetically engineered mice which are used to study the function of genes, developed by Italian-born US Scientist [Mario Capecchi](#) in 1989. Prof Capecchi was awarded the 2007 Nobel Prize in Medicine for this innovation
- [Aorto-coronary bypass](#) Aorto-coronary Bypass Rene Favaloro Argentinian Italian

Inventions

Juan Carlos Parodi MD FACS (Hon)
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Universidad de Buenos Aires

Endografts



54.0MM



September 7
1990



AAA REPAIR



Open

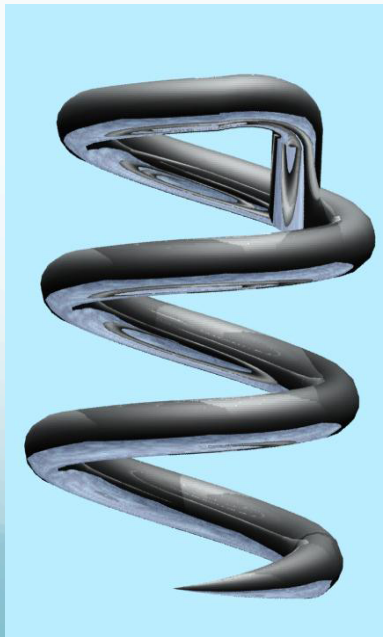


EVAR

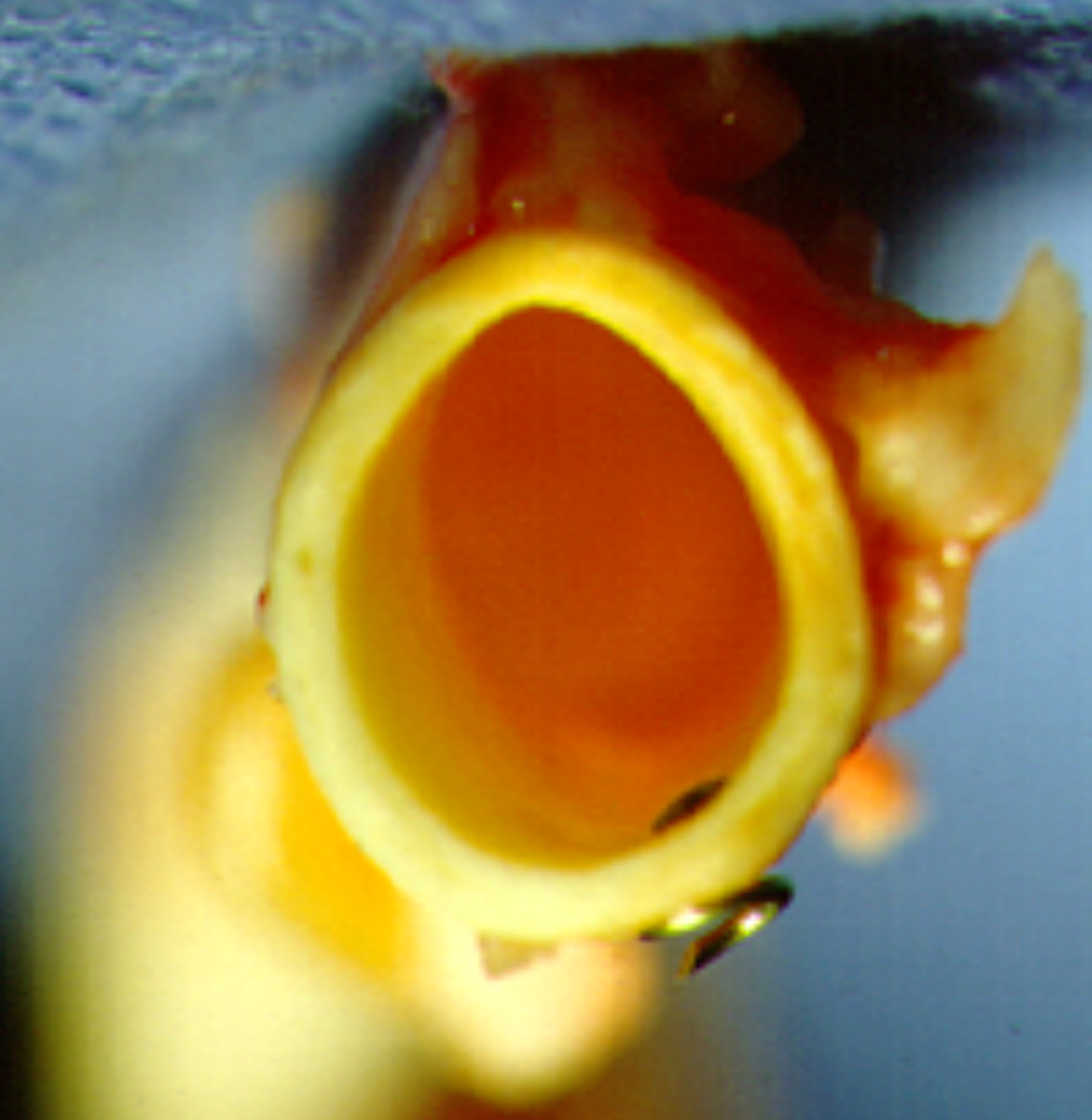
Endosuture

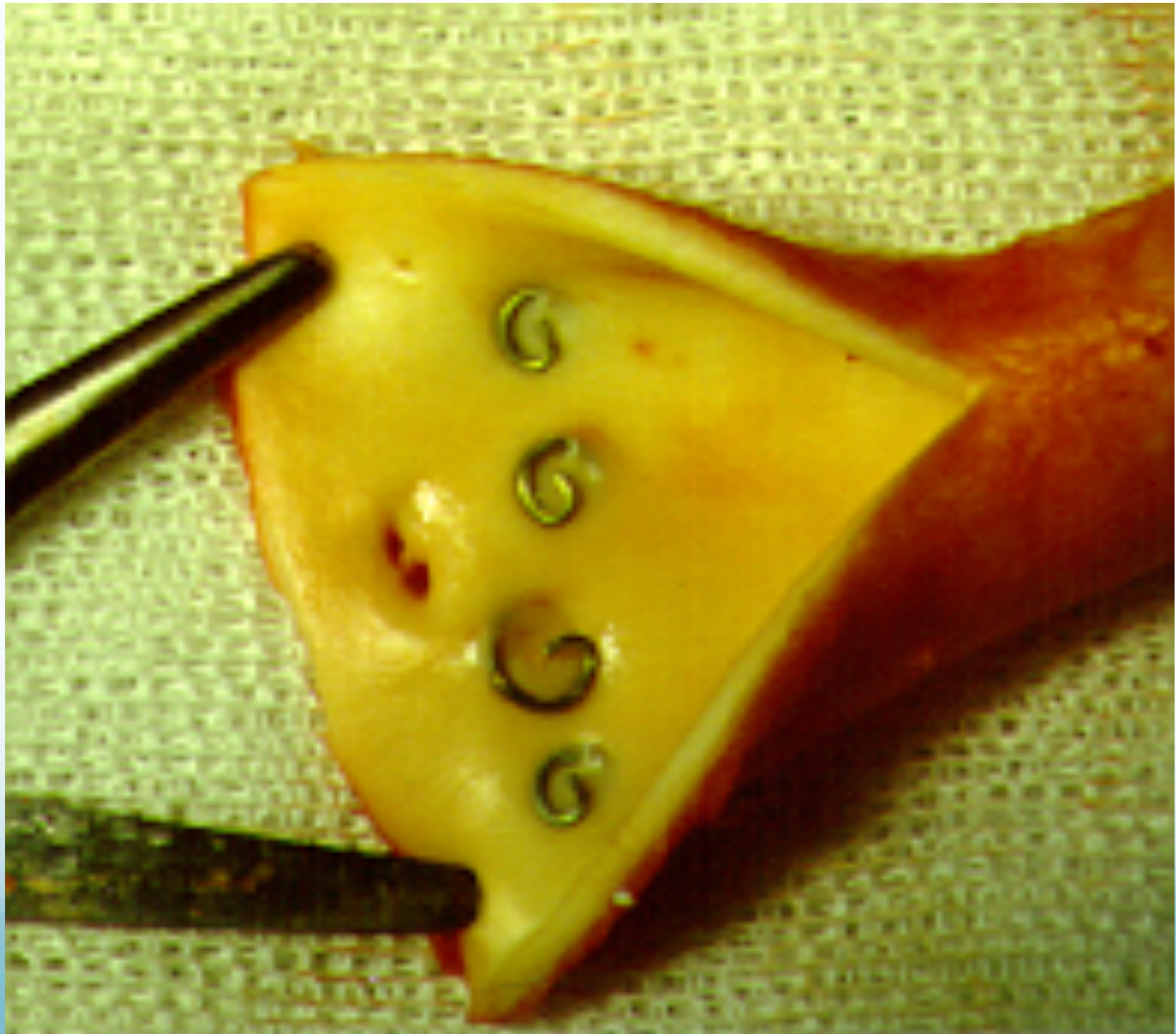
EndoStaple

- Full thickness aortic wall purchase
- Can address both fixation and sealing
- Ability to penetrate diffuse calcified tissue



Endosutures



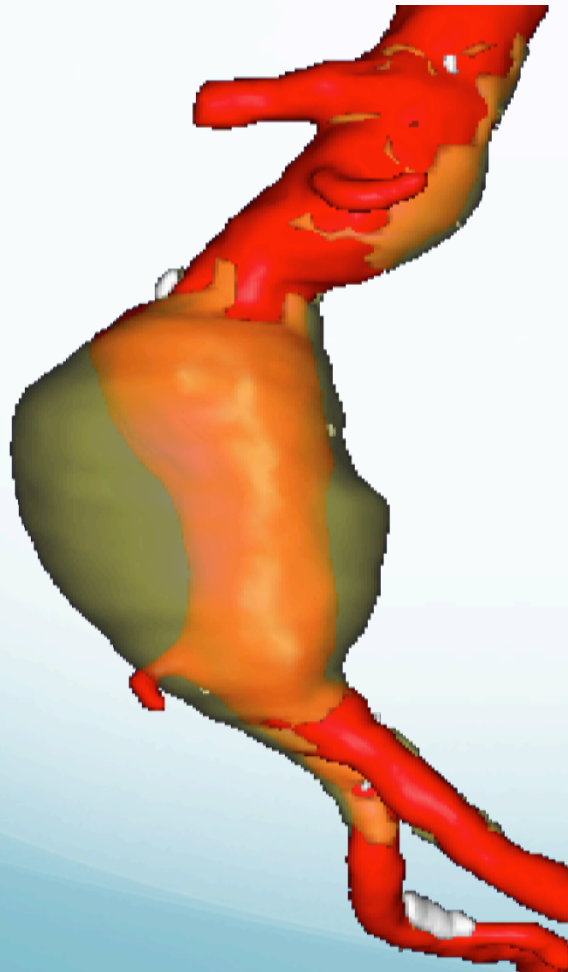




First Patient (001-FV) 6 Mos Follow-Up

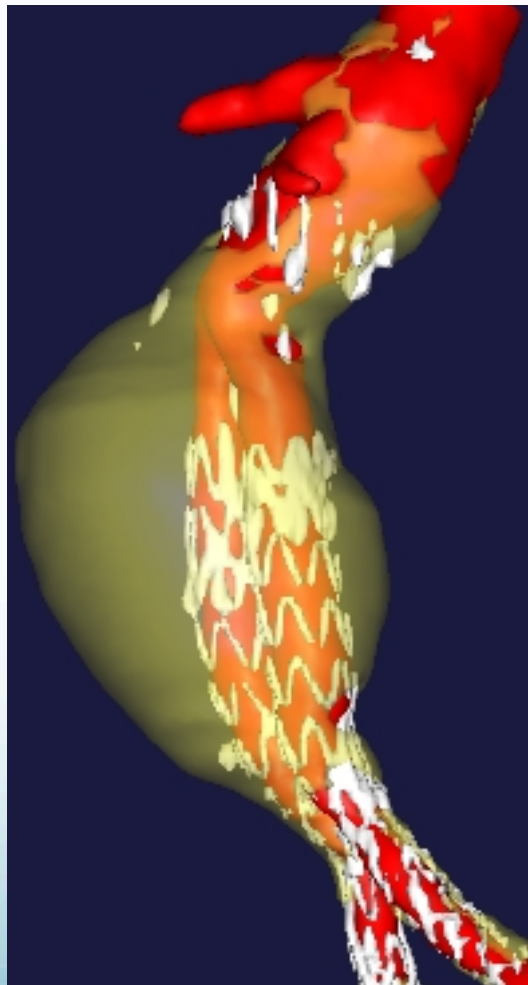
Pre-Op

AAA – 6.9 cm diameter
AAA Sac Volume – 236.9cc
Neck Angulation – 59°



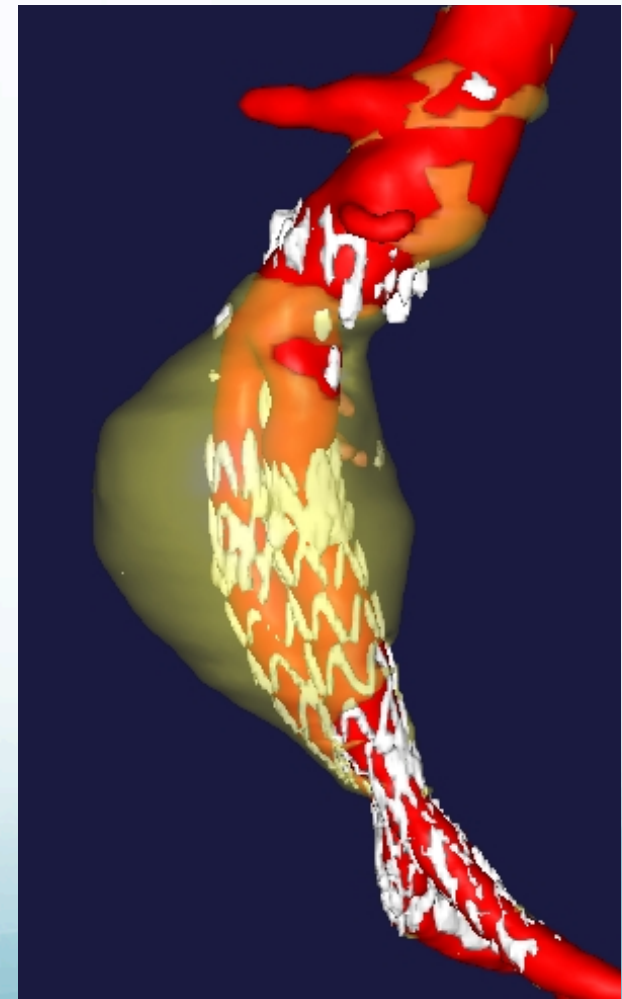
1 Mos

AAA – 6.9 cm diameter
AAA Sac Volume – 225cc
Neck Angulation – 61°



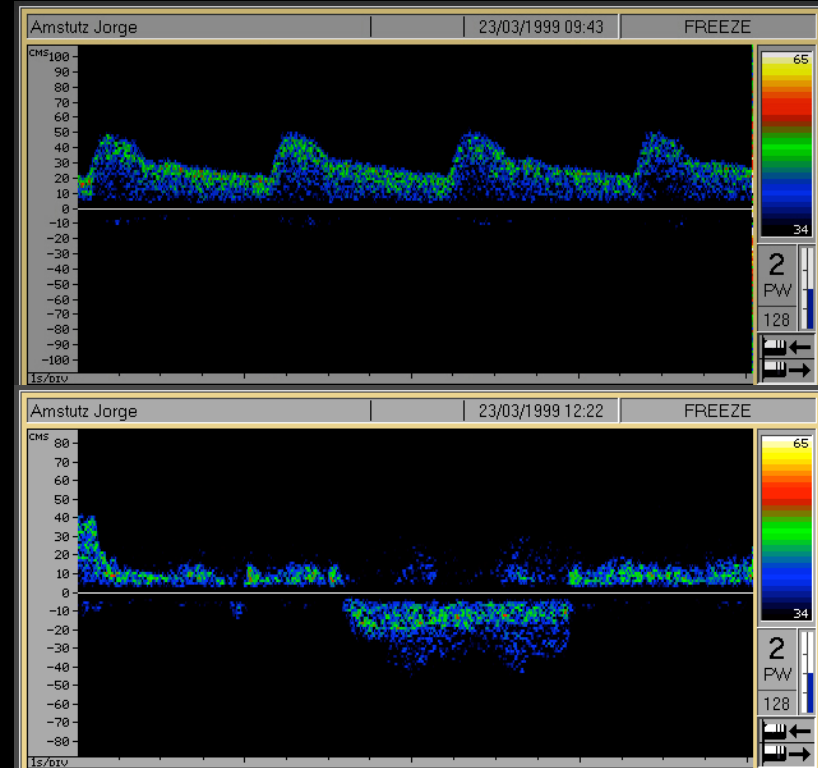
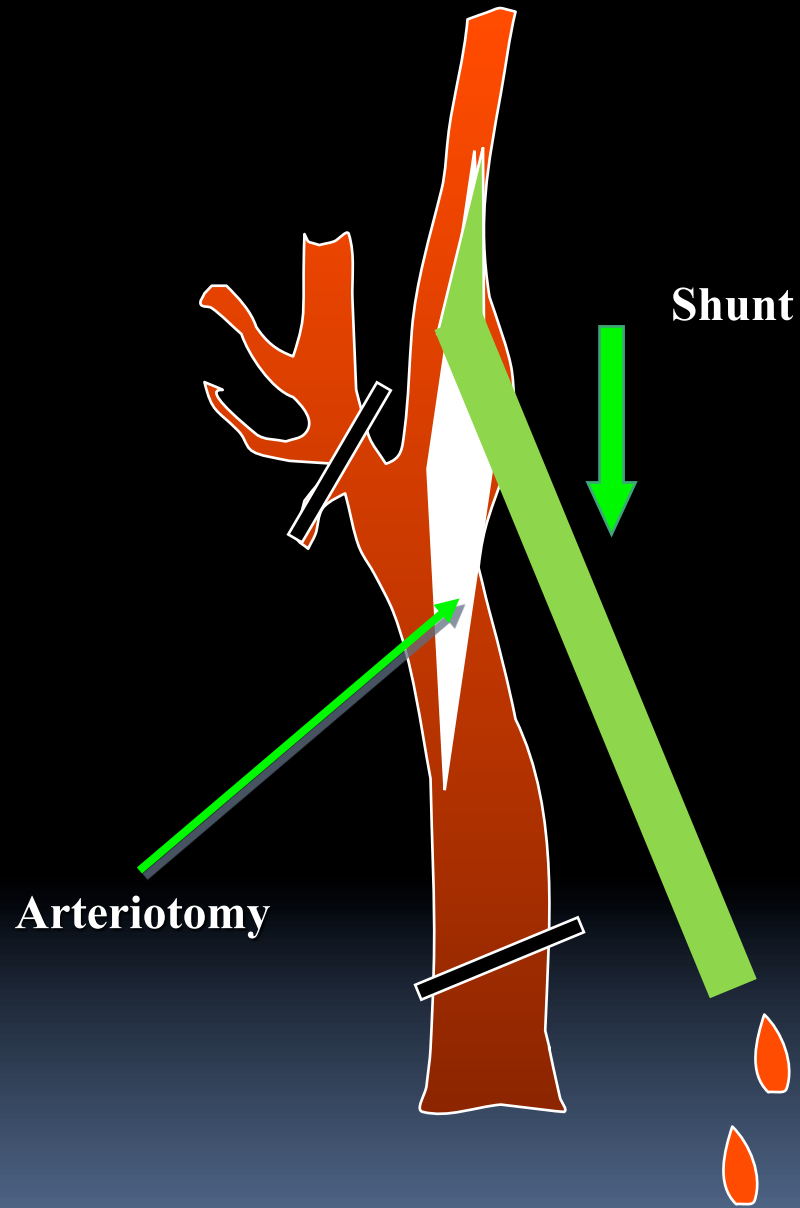
6 Mos

AAA – 6.2 cm diameter
AAA Sac Volume – 207.4cc
Neck Angulation – 49°

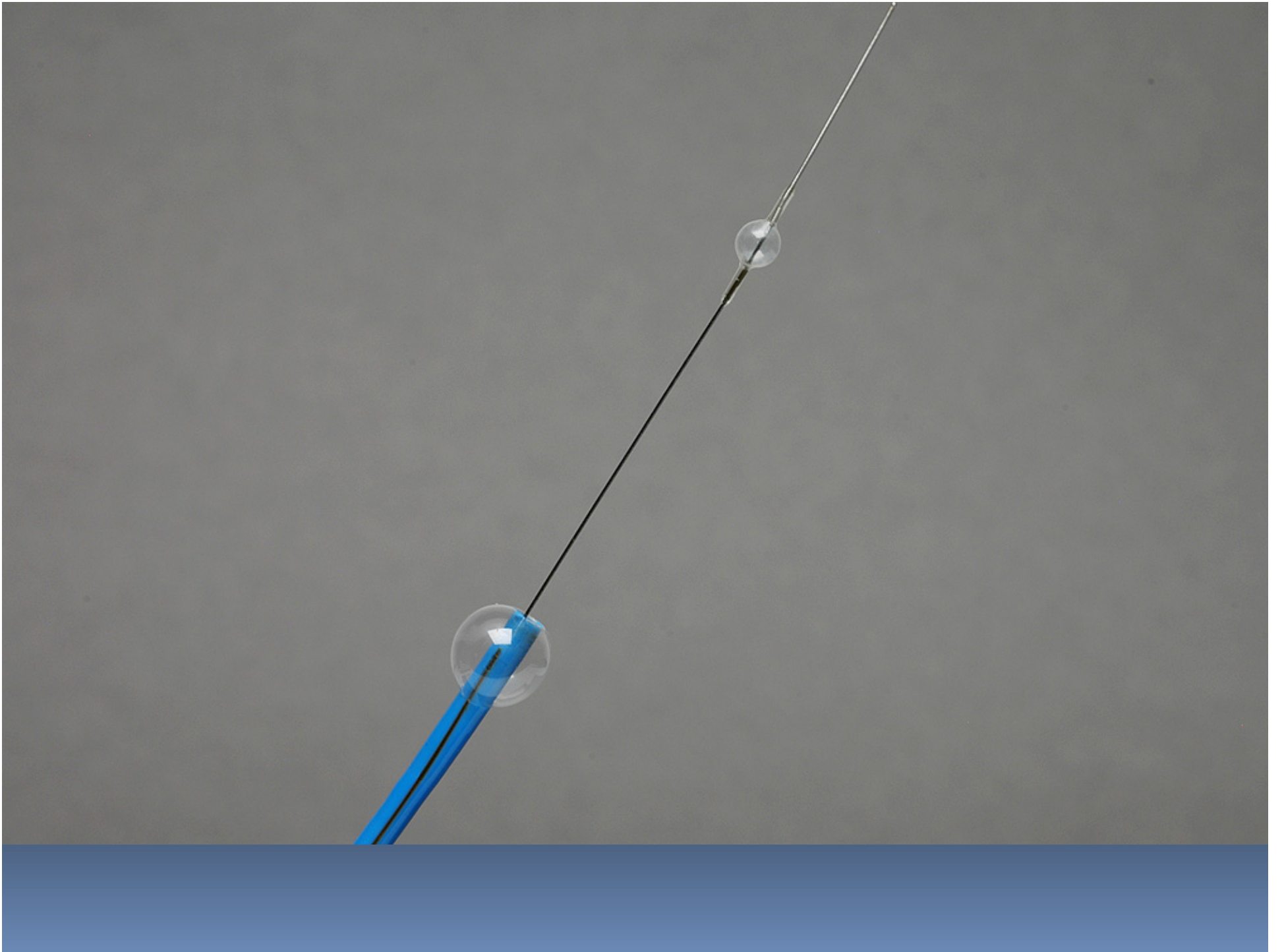


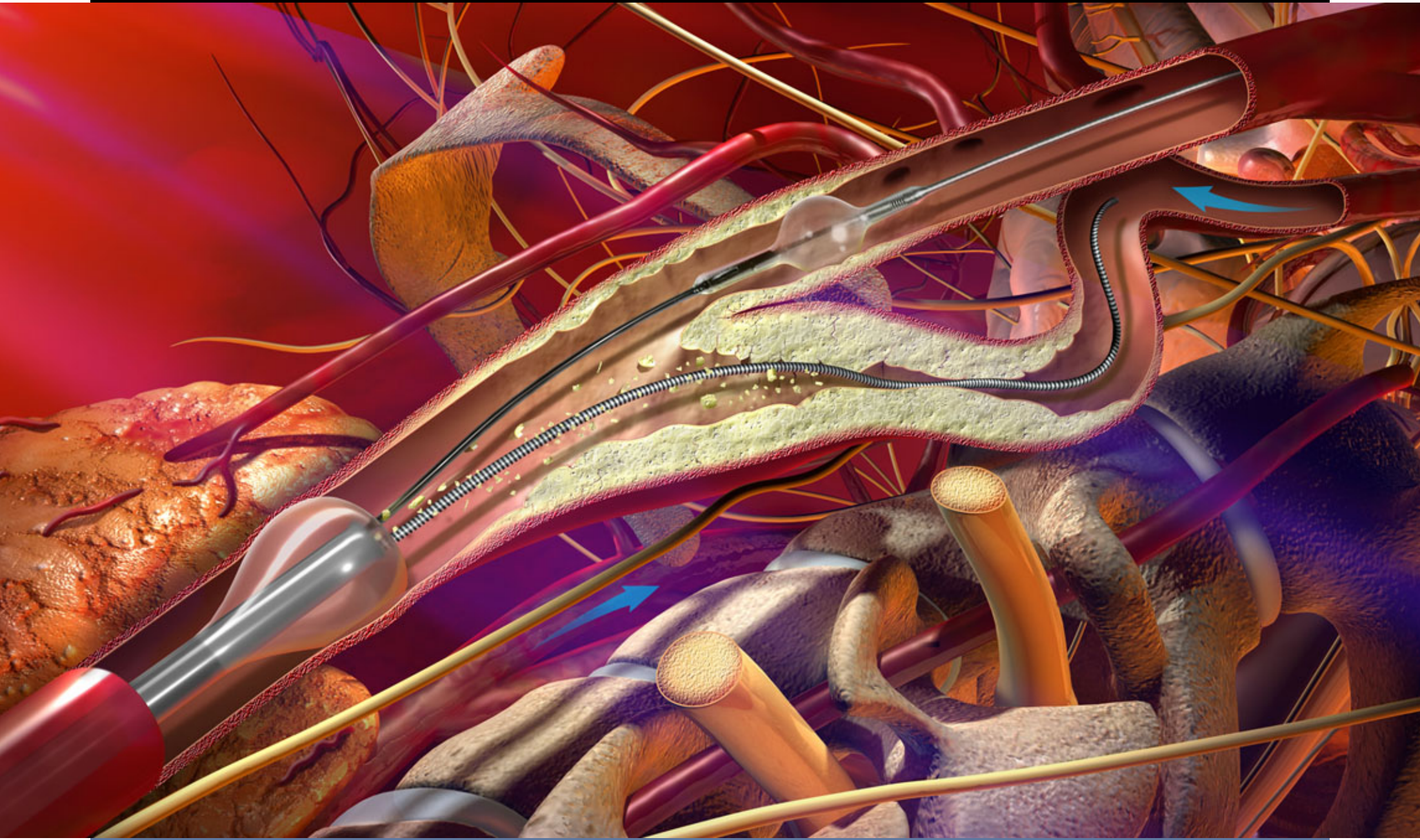
▪Reduction in Angulation = 19.9%

Carotid Flow Reversal Protection Device for Carotid Stenting



**TCD before (a) and after (b)
arteriotomy and shunt insertion**





A

H

Barnes Jewish Neurology
AXIOM-Artis
VA42C 030430
H-FS
IIIIIR/

* 11-Feb-1940

STUDY 1
06-Jan-2004
12:18:51
11 - 1/1

Post stent

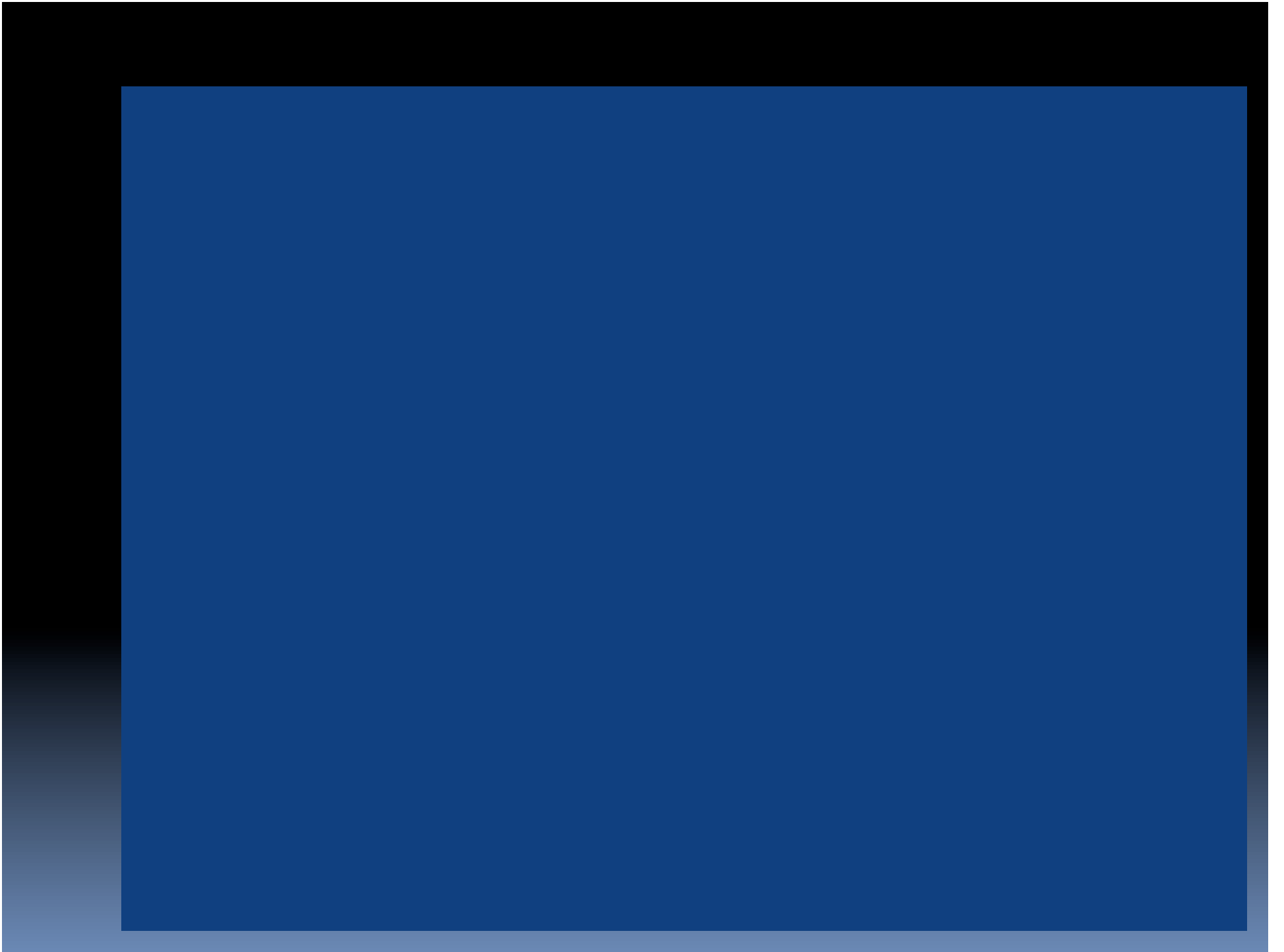
R

Single
cm 22
A
kV 64
mA 399
D 2400
LAO 2° / CAUD 32°

1024

EE 20%
DDO 30%
WC 1800
WW 3200





Coaxial guide-wire

Parodi Guidewire System

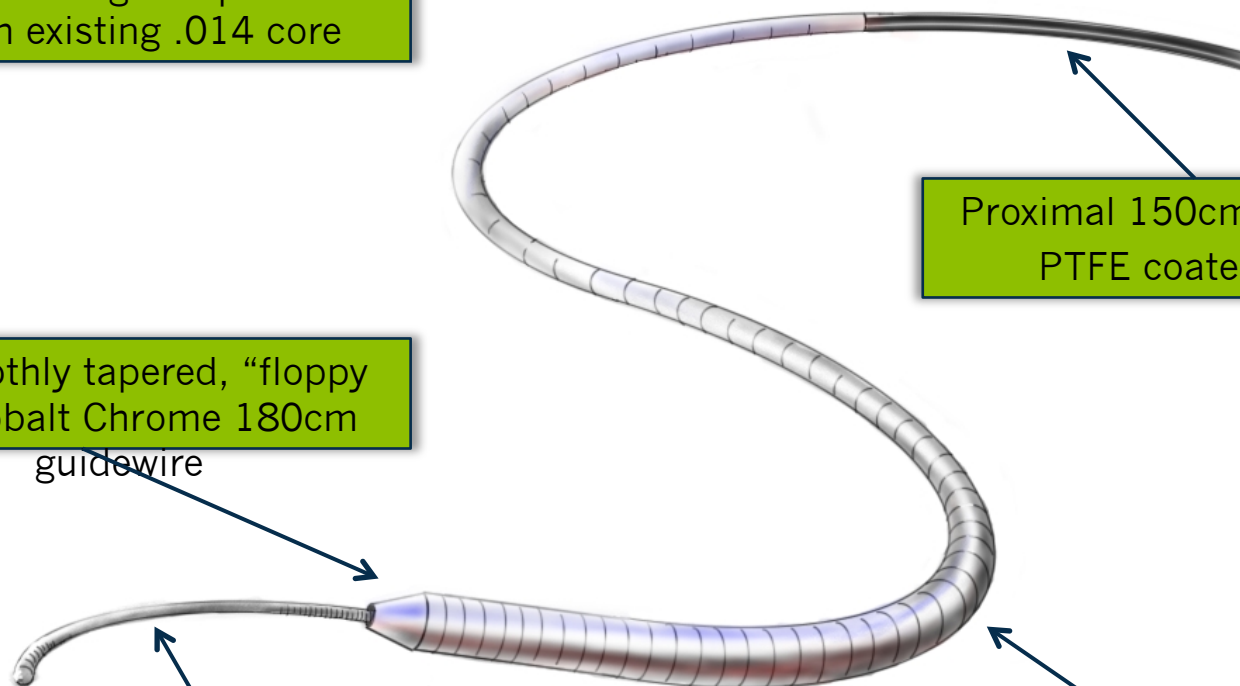
Completely removable outer components enabling completion of procedure with existing .014 core wire in place

.035" smoothly tapered, "floppy tip" Cobalt Chrome 180cm guidewire

Proximal 150cm extra stiff PTFE coated tube

.014" platinum tipped Stainless Steel 300cm guidewire
always used to lead the system

Distal 30cm, smooth hydrophilically coated polymer jacket



- Using the Parodi system no guide wire exchange is necessary.
- The Parodi guide wire expedites and facilitates endovascular procedures.
- FDA approved.

Patents:

- 54 Patents of Medical Devices.