



20TH INTERNATIONAL EXPERTS SYMPOSIUM
CRITICAL ISSUES
in aortic endografting **2016**
May **20 & 21** - LILLE - FRANCE



Short Neck Session

Evidence behind the decision for CHIMPS vs
Fenestrated

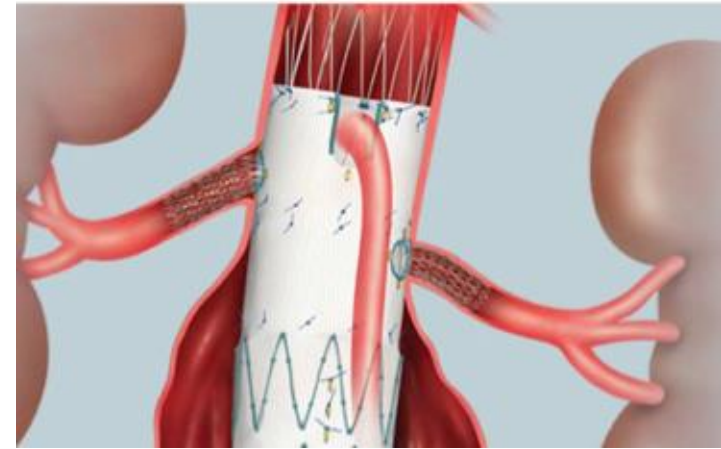
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Head: Univ.-Prof. Dr. G. Torsello



Devices



CHIMPS

vs

Fenestrated

- Combination of different Stentgraft
- Off label use of:
 - Aortic SG
 - Visceral SG
- Always available

- Approved Aortic SG
- Visceral SG
- Time for customization

CHIMPS: device selection

In Vitro Study:

Endurant+ Advant/iCast

Gore+Viabahn

30% Oversize

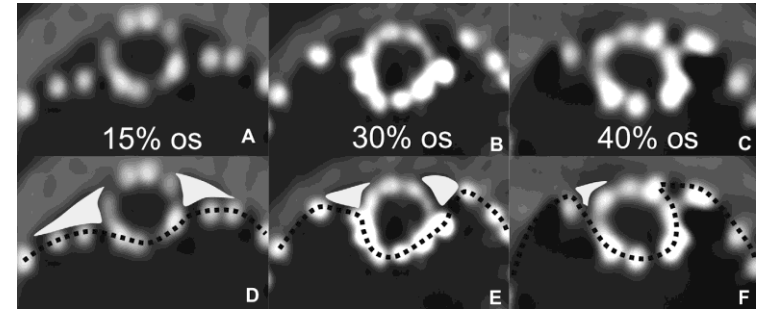


Figure 3. Progressive increase of main endograft oversizing (OS: 15% in A, 30% in B, 40% in C), resulted in significant decrease in gutter area (white area) and endograft path (dotted line) measured in the same images (D, E and F). In these examples, in Endurant-V12 combinations.

Real World: Different Device combination Center based more then patient depending

PERICLES (517 pts)

Endurant	49.5%
Zenith	17.3%
Excluder	14.3%
Talent	0.7%

Fenestrated : device selection

- Aortic Body: Cook Platform
- Visceral Device:
Stent Graft > Bare metal Stent



Not dedicated are available

Patient selection

CHIMPS

vs

Fenestrated

No official
recommendation

Pericles:

517 pts chimney grafts per patient
1.73

Suggestion:

Max 2 Chimney in 20 cm landing zone

- Adequate iliac/femoral access compatible with the required 22Fr
- Proximal Neck below renal arteries
length > 4mm
Max diameter < 31 mm
angle > 45 degrees

Procedure Time

CHIMPS

vs

Fenestrated

Pericles 233.0 ± 98.7
(517 pts)

Systematic Review 180-350min
(629 Pts)

Linsen et al. 2012

Single centers study

Lachat 252 min (sd 190min)
2016 (100 pts)

Haulon 150 min (40-330)
2012 (54pts)

30 Day Mortality

CHIMPS

vs

Fenestrated

Pericles: 4.9% (3.7%)
(517 pts)

Systematic Review 2.1%
(629 Pts)

Linsen et al. 2012

Single centers study

0-12.5%

0-10%

Technical Success Endoleak Type 1/3

CHIMPS

vs

Fenestrated

Lachat 100pts

23% (5%)

meta-analyses

Protagoras 187 pts

0% (1.6%)

660 pts

3% Cross

629 pts

4.6% Linsen

Pericles 517pts

7.9%

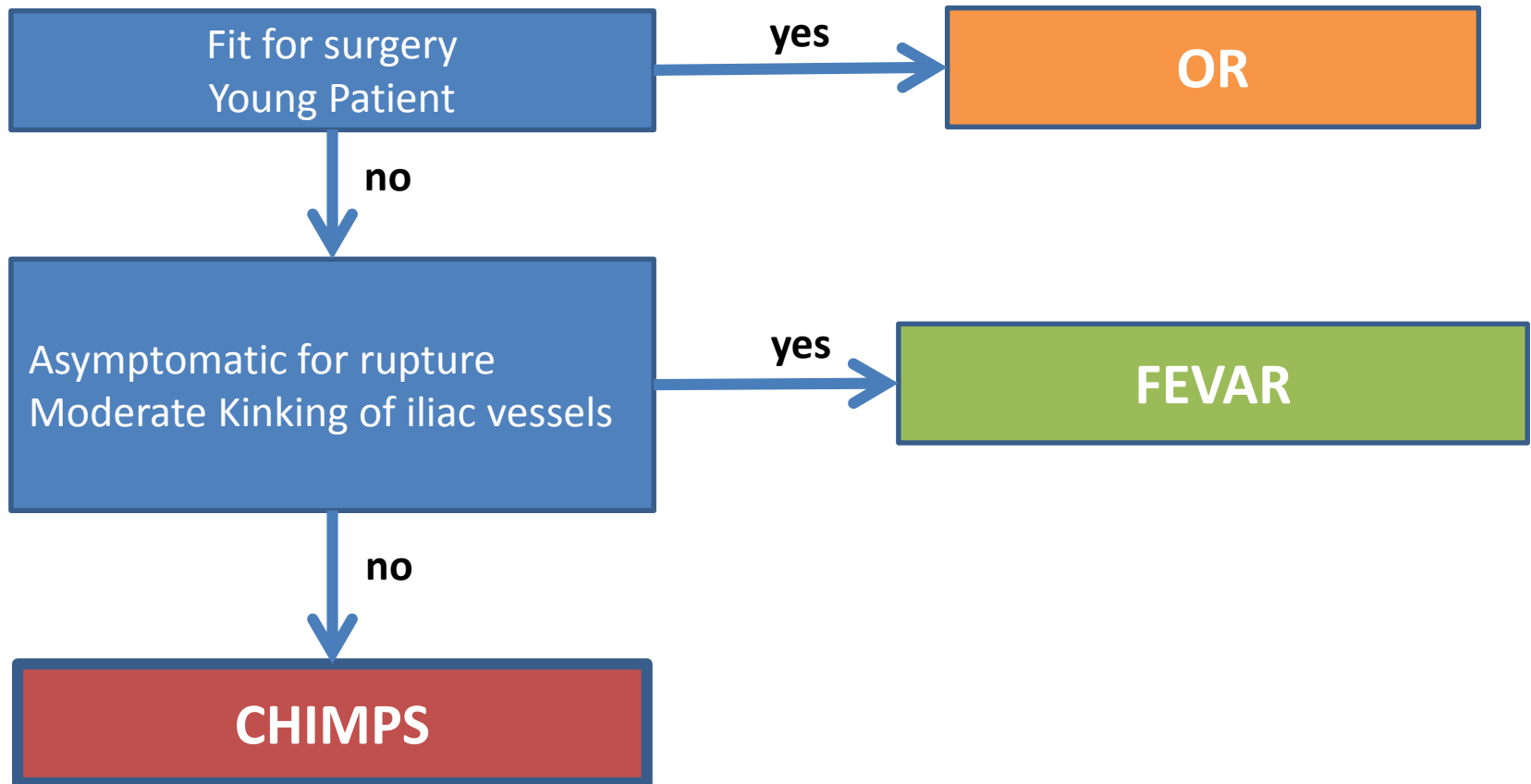
(2.9% requiring reintervention)

Fredoom from Reitervention

	1	3	4	5	years
CHIMPS	77%	64%	53%		Lachat 2016 Protagoras 2016
Fenestrated	96%	89%		89%	Mastracci 2013 Panuccio 2014 Haulon 2015
	95%	87%			

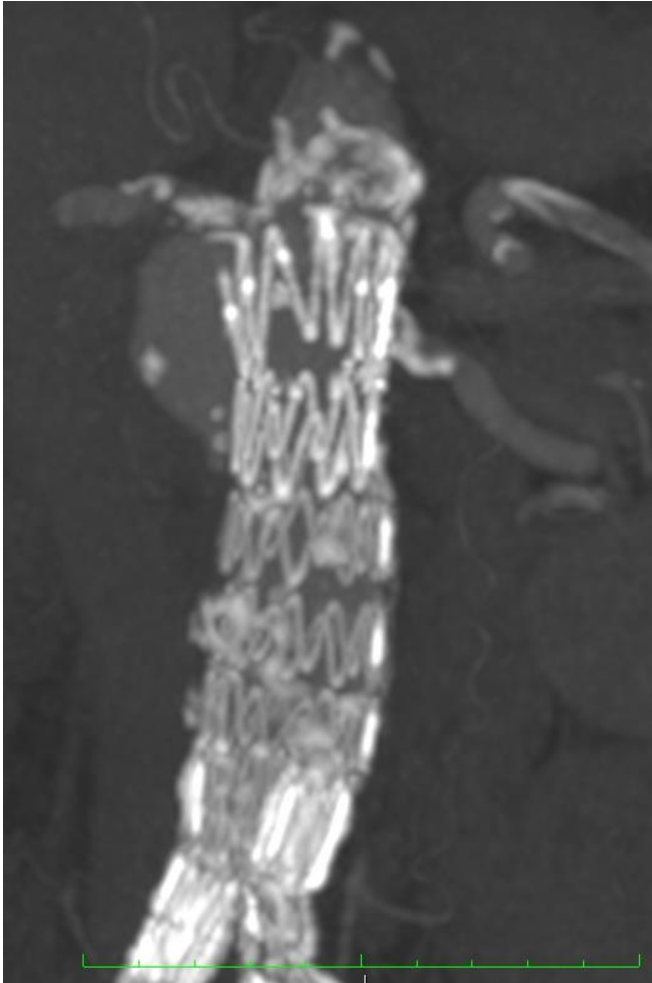
Münster Experience

2009 Algorithm



CHIMPS – What works best?

Saccular pararenal aneurysm
Male 71 Y, CAD, COLD



CHIMPS – What works best?

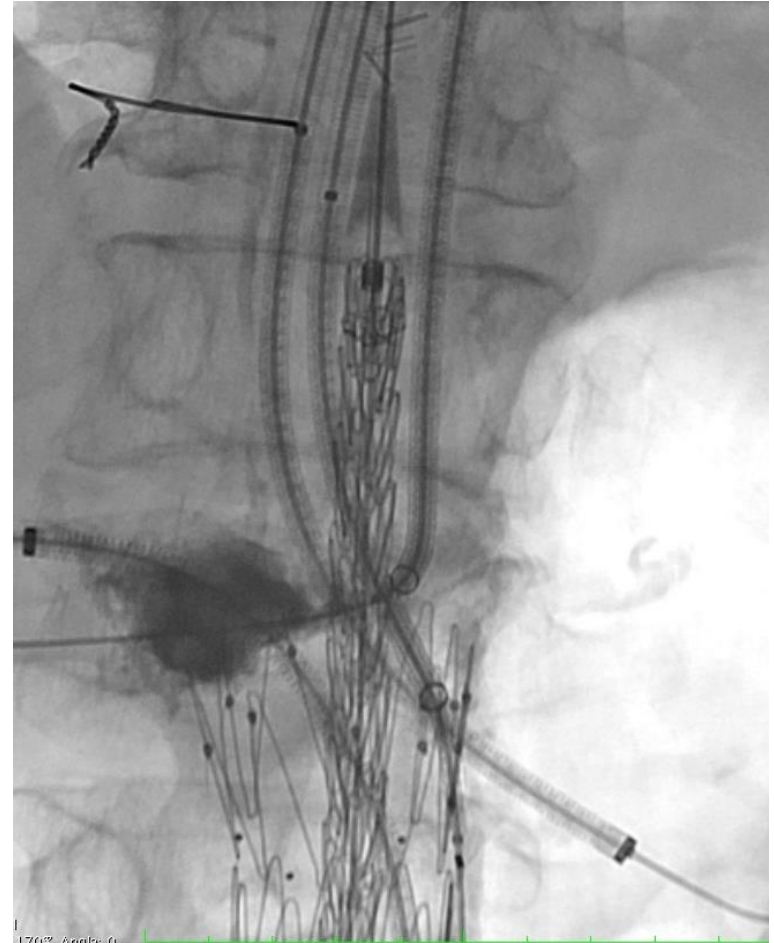
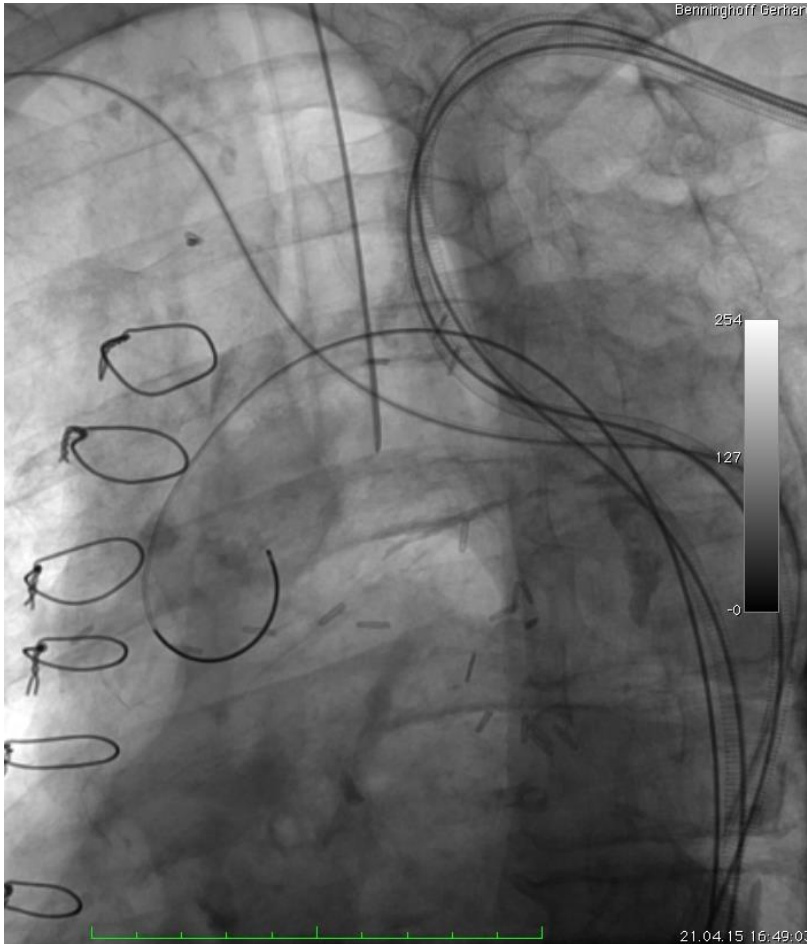
Saccular pararenal aneurysm

Male 71 Y, CAD, COLD

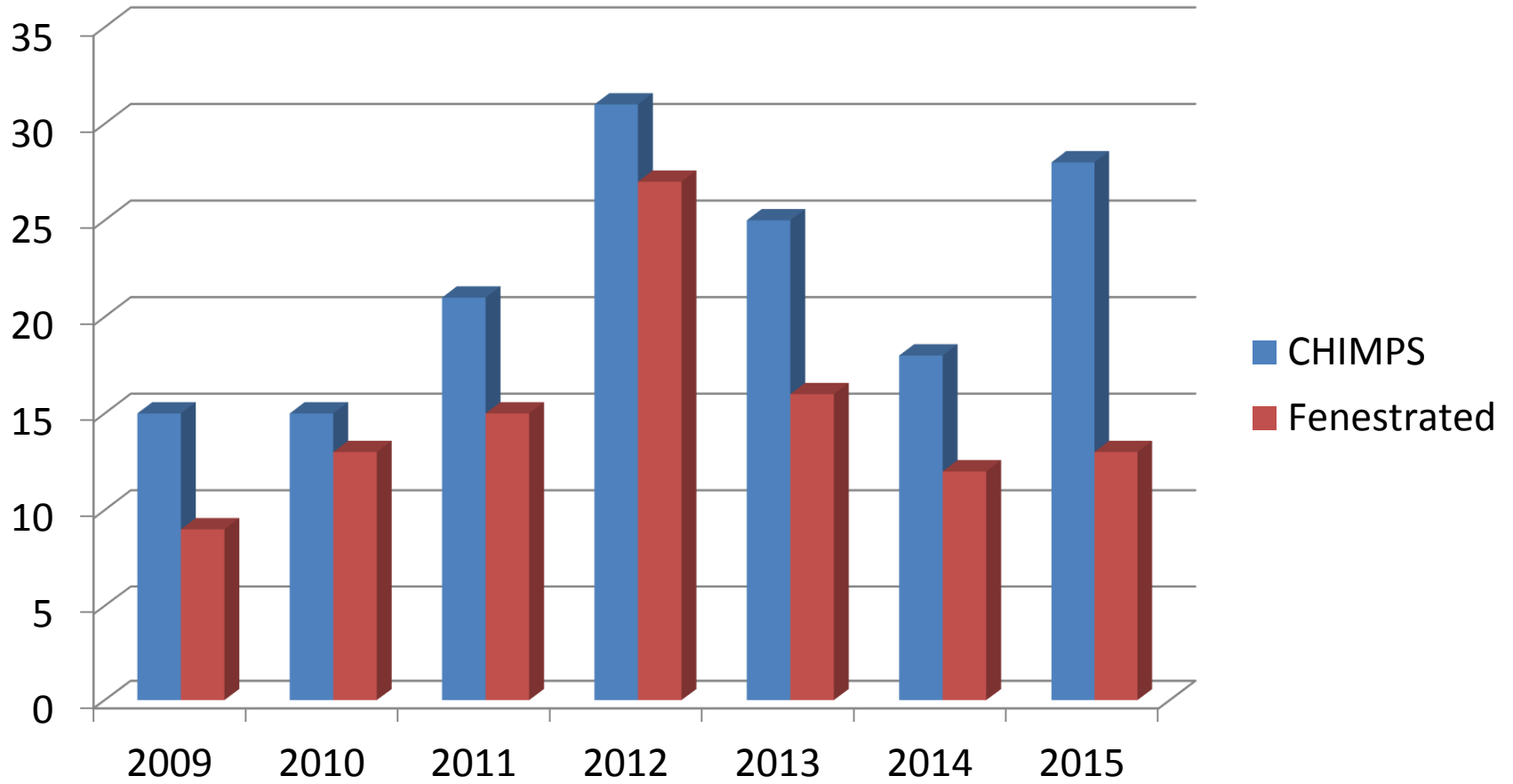


CHIMPS – What works best?

Saccular pararenal aneurysm
Male 71 Y, CAD, COLD

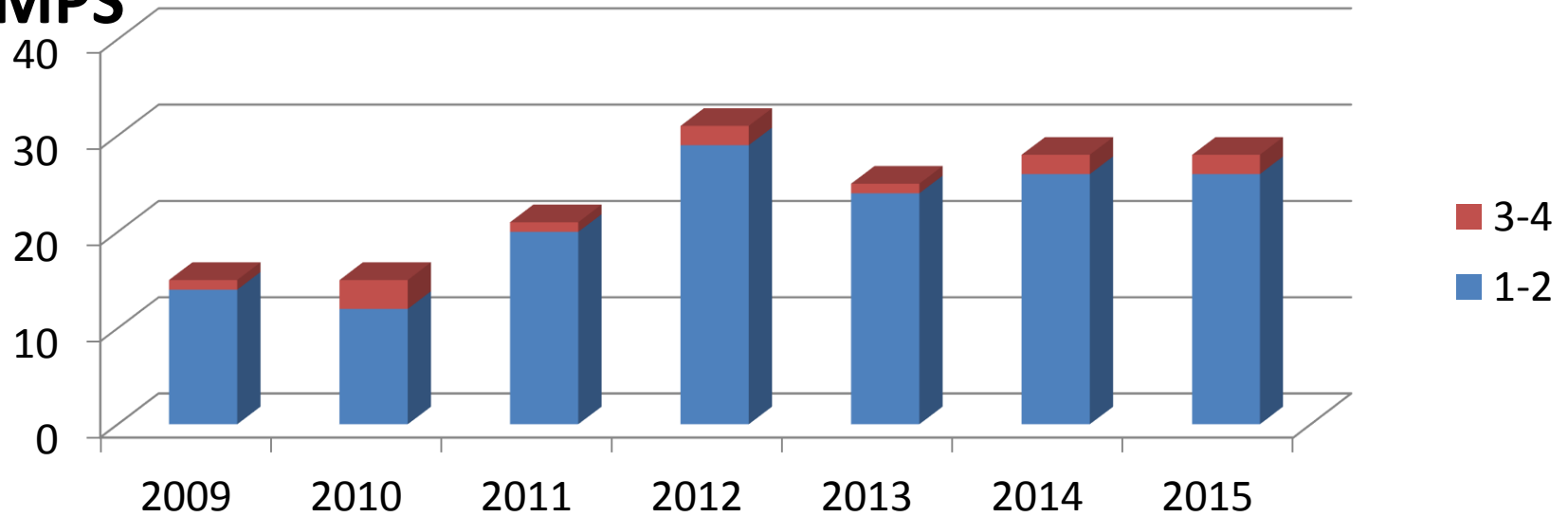


Münster Experience pararenal AAA

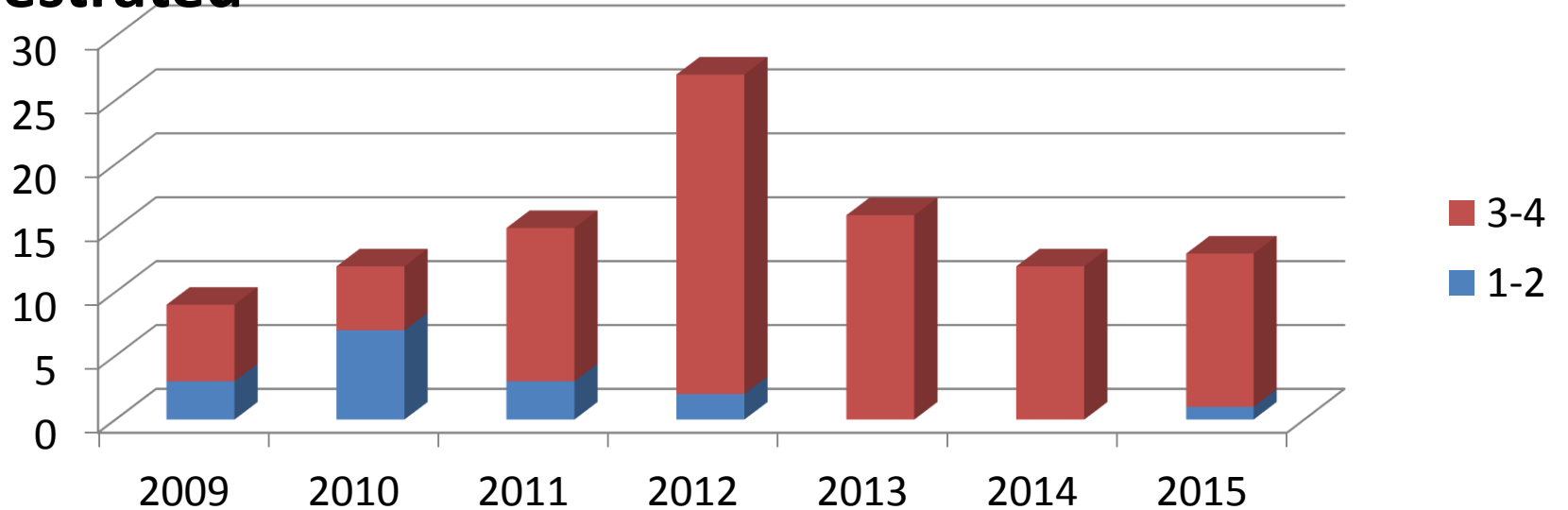


Visceral SG per Procedure

CHIMPS

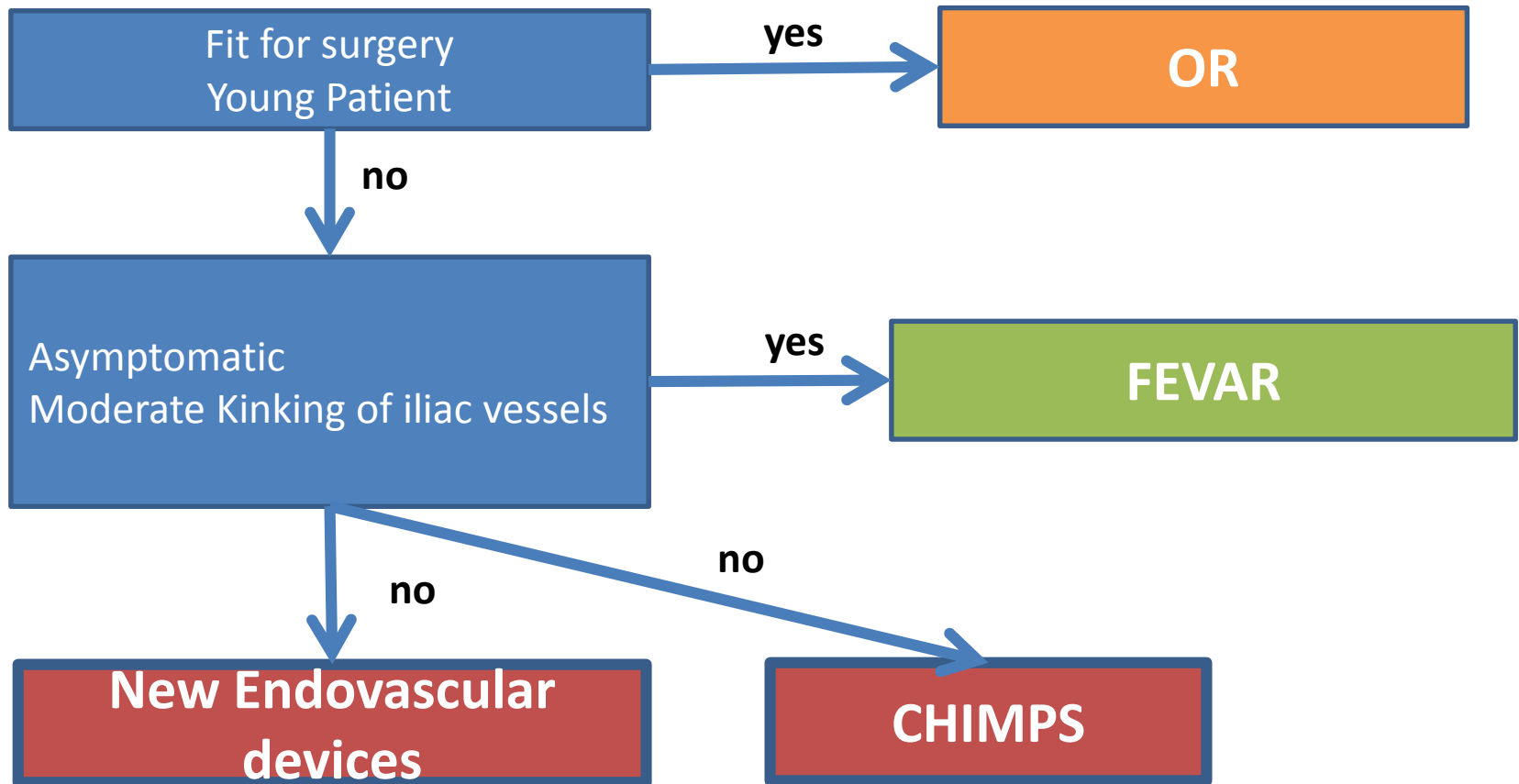


Fenestrated



Münster Experience

Algorithm





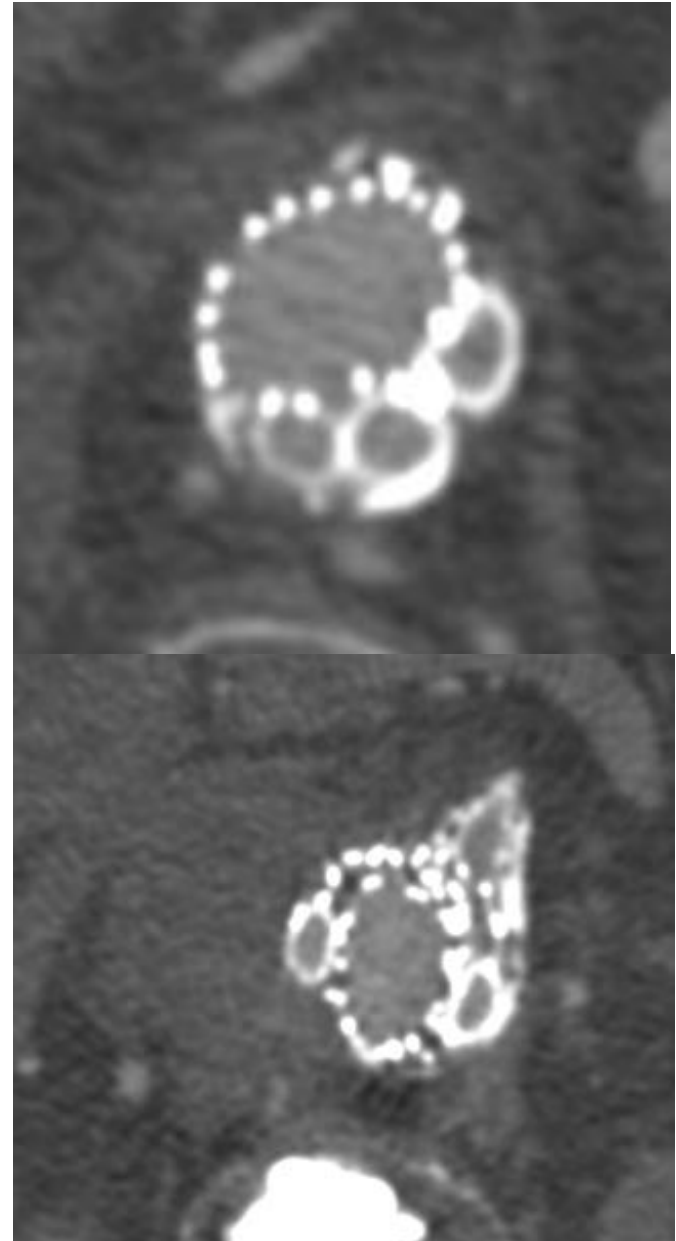
Progressive Wavelet-Stufe: Vollständig
[H] YIEFFER, GÜNTE
Study Date: 17.03.20
Study Time: 10:33:
MRN:651125
DOB: 21.04.19

Male 74yo
Abdominal pain
ASA 4
Severe Cirrhosis



Lue...
T
/Ph...

CHIMPS – What works best?



Conclusion

FEVAR offer durable results

CHIMPS represent immediate solution
access vessel

experience is needed → complementary solution

Asymptomatic Patient Unfit for OR/FEVAR →
Conservative