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 with partners ziekenhuis

EXCeL Registry

Gore Conformable Excluder For EVAR: Results From The European EXCeL Registry

Marc van Sambeek
 Jenny Zwetsloot, Michel Reijnen, Jan Heijligers, Giovanni Patresi and the EXCeL Registry collab.
 Catharina Hospital Eindhoven
 Eindhoven University of Technology

TU/e Eindhoven University of Technology

VEITH Vascular Endovascular Interventional Technology

Disclosure

Marc RHM van Sambeek


I have the following potential conflicts of interest to report:

- Consulting and speakerfee
WL Gore & Associates
Medtronic
- Unrestricted research grants
Medtronic
W.L Gore & Associates


all payments were made to the research foundation

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EXCeL Registry



EXCeL Registry is a multi-center, post-market, prospective observational study.



150 consented subjects from 8 high-volume sites across Europe have been included.

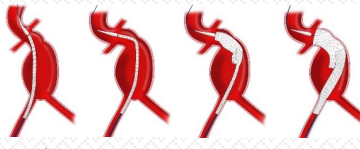

Follow-up 3 years

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Gore Excluder Conformable AAA Endoprosthesis®

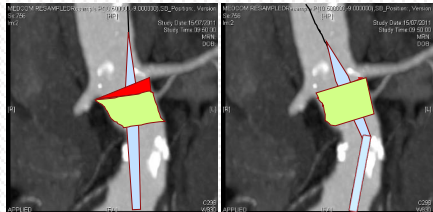
GORE® EXCLUDER® Conformable AAA Endoprosthesis

A device specifically designed to perform adequately across the spectrum of potential anatomic presentations for infra-renal EVAR are needed.

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Maximize sealing zone




Maximum apposition and seal

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EXCeL Registry

	> 15 mm neck length	10-15 mm neck length	5-10 mm neck length	< 5 mm neck length
< 60° neck angulation	Inside IFU	Inside IFU	Challenging anatomy	Extreme anatomy
60-90° neck angulation	Inside IFU	Challenging anatomy	Extreme anatomy	
> 90° neck angulation	Challenging anatomy	Extreme anatomy		



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EXCeL Registry

EXCeL Registry (peri-operative)

Number of patients	155
Age	76 years (range 56-94)
AAA diameter	61 mm (range 45-98)
Neck length	27 mm (range 4 -62)
Neck angulation	51 degrees (range 5-106)
Number of repositioning	82 (1-9 times) out of 155 cases
Active angulation of device	64 (1-4 times) out of 155 cases
Type I endoleak	2*
Length of hospital stay	4.5 days (range 2-28)

* Minor type I endoleak after remodelling and extension
 * 2 spontaneous resolved at 30 days

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EXCeL Registry

	> 15 mm neck length	10-15 mm neck length	5-10 mm neck length	< 5 mm neck length
< 60° neck angulation	83	6	3	0
60-90° neck angulation	39	4	2	1
> 90° neck angulation	8	2	0	0

CTA's Corelab assessed 20 patients (13%) outside of IFU

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EXCeL Registry

EXCeL Registry (30-days)

Number of patients	143
Type I or III endoleak	2
Other endoleaks	24
Migration	0
Secondary interventions	1*
Death	1**

* PTA iliac (stent compression)
 ** Respiratory insufficiency COVID related

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EXCeL Registry

EXCeL Registry (30D-1 year)

Number of patients	125
New Type I or III endoleak	0
Other endoleaks	30
Migration	0
Secondary interventions	3*
New deaths	6**

* For Type Ia, Type Ib and Coiling lumbar artery for Type II endoleak
 ** 2 cause unknown, MI -> CABG, malignancy, 2 respiratory failure (1 COVID)

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EXCeL Registry (2 years)

Number of patients	94
New Type I or III endoleak	0
Other endoleaks	21
Migration	0
New secondary interventions	1*
New deaths	10**

* Coiling IMA for Type II endoleak
 ** 1 cause unknown, 9 not aneurysm related

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EXCeL Registry

EXCeL Registry (3 years)

Number of patients	48
New Type I or III endoleak	0
Other endoleaks	5
Migration	0
New secondary interventions	0
New deaths	4*

* Not aneurysm related

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Conclusion

EXCeL Registry

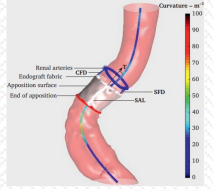
New generation devices will extend the applicability of EVAR

@ 3 years:

- Only 1 Type 1A endoleaks (successfully treated)
- No migration
- No conversions
- Overall mortality 22 patients
- No registered AAA related mortality (3 cause unknown)

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Geometric Analysis of the Gore Excluder Conformable



Conclusion

In most patients who underwent EVAR with the CEXC, the device was implanted close to the renal arteries. Sufficient (≥ 10 mm) post-operative apposition was acquired in most patients, which remained stable on the one year CTA.

Geometric Analysis of the Gore Excluder Conformable Endoprostheses in the Infrarenal Aortic Neck: One Year Results of the EXCeL Registry

Ray Sudduth^{1,2}, Marc A.M. van Santbrink^{1,2}, Jeroen Doolenaar^{1,2}, Jan M.M. Hoilagen¹, Giovanni Prati³, Michael M.F. Reijnen^{1,2}, Jeroen Paul M.M. de Vries^{1,2}, Wilco C.J. Schuurman^{1,2}

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EXCeL Registry



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