

# **Literature Summary**



# Long Term Experiences with the GORE® EXCLUDER® AAA Endoprosthesis.

1. Ten-year outcome analysis of the Italian Excluder Registry with the Gore Excluder endograft for infrarenal abdominal aortic aneurysms. *Journal of Vascular Surgery* 2018.

#### **Objectives**

The objective of this study was to report the 10-year outcomes of the multicenter Italian Excluder Registry for elective endovascular aneurysm repair (EVAR).

#### **Summary of Results**

## **461 PATIENTS, 10-YEARS FOLLOW-UP**

63% Cumulative survival

88% Estimated freedom from EG-related complication

81% Freedom from reintervention

Cumulative freedom from endoleak rate was significantly different between the two different follow-up intervals (0 to 5 year, 2.6% vs. 6 to 10 year, 0.8%, P < .001).

#### **Summarized Conclusion**

The Italian Excluder Registry outcomes confirmed sustained EVAR effectiveness at 10-year follow-up using the [GORE® EXCLUDER® AAA Endoprosthesis]. Freedom from EG-related complications, endoleaks, and reinterventions was satisfactory and remained acceptable beyond 5 years of follow-up, supporting a reasonable long-term durability of this device.

**2.** Long-Term Outcome of the GORE EXCLUDER AAA Endoprosthesis for Treatment of Infrarenal Aortic Aneurysms. *Journal of Vascular and Interventional Radiology* 2017.

#### **Objectives**

To evaluate long-term outcome of [GORE® EXCLUDER® AAA Endoprosthesis] for elective treatment of infrarenal aortic aneurysms and to evaluate performance of different generations of the device.

#### **Summary of Results**

# 248 PATIENTS, UP TO 10-YEARS FOLLOW-UP

76% reintervention-free survival

97% Technical success

49% Overall survival with no aneurysm-related deaths

**0.4%** limb occusion, rupture, migrations

#### **Summarized Conclusion**

Treatment with the [GORE® EXCLUDER® AAA Endoprosthesis] is effective with acceptable reintervention rates in the long-term and few device-related adverse events or ruptures up to 10 years.

**3. Single-centre experience with the Gore C3 Excluder stent-graft in 200 consecutive patients.** *Journal of Cardiovascular Surgery* 2016.

#### **Objectives**

To present short and mid-term outcomes from 200 consecutive patients treated prospectively with the [GORE® EXCLUDER® AAA Endoprosthesis featuring C3® Delivery System] in a single institution.

#### **Summary of Results**

# 200 PATIENTS, MEAN FOLLOW-UP OF 17.8 MONTHS

98% Technical success, no failures associated with stent-graft malfunction

**0%** Mortality at 30 days for elective cases

0% Limb occlusion, Type I or III Endoleaks, Migrations

95% of the patients had a sac shrinkage or a stable sac diameter

#### **Summarized Conclusion**

The [GORE® EXCLUDER® AAA Endoprosthesis] showed excellent early and mid-term outcomes with no mortality, low reintervention rates and favorable sac remodeling.

**4.** Long term performance of Gore® EXCLUDER® AAA Endoprosthesis: a single center's experience. *Italian Journal of Vascular and Endovascular Surgery* 2015.

#### **Objectives**

The aim of this study was to assess the effectiveness of EVAR, specifically assessing the durability of EVAR utilizing the [GORE® EXCLUDER® AAA Endoprosthesis] by analyzing the long-term performance.

#### **Summary of Results**

# 144 PATIENTS WITH LONGEST FOLLOW-UP OF 67.6 MONTHS 15% of patients treated were female 0% Type I or III Endoleaks 0% Migrations 0% Limb occlusions (1 patient) 0.8% Rupture post-implant

#### **Summarized Conclusion**

Long-term data associated with the GORE® EXCLUDER® AAA Endoprosthesis is relevant because of the consistent device design throughout the duration of the study. As evidenced by high patency, low reinterventions and consistent rupture prevention, [GORE® EXCLUDER® AAA Endoprosthesis] can be offered as a durable solution for EVAR treatment.

# **ITalian Excluder Registry Investigators.**

5. ITalian Excluder Registry and results of Gore Excluder endograft for the treatment of elective infrarenal abdominal aortic aneurysms.

Journal of Vascular Surgery 2014.

#### **Objectives**

To report the midterm results of elective EVAR of abdominal aortic aneurysms. It is the largest clinical unsponsored registry using a single [GORE® EXCLUDER® AAA Endoprosthesis], with the longest follow-up period so far.

## **Summary of Results**

872 PATIENTS UP TO 5-YEARS FOLLOW-UP
97.9% Estimated freedom from AAA-related death
86.5% Freedom from all reintervention
Only 1 reported Type III endoleak
1.1% Limb Thrombosis
0.5% Migrations

#### **Summarized Conclusion**

The present experience confirms the near-term effectiveness of EVAR using the [GORE® EXCLUDER® AAA Endoprosthesis] with low mortality rate, as well as the high rate of technical success and the low rate of endograft-related complication.

6. Ten years of experience with the GORE EXCLUDER® stent-graft for the treatment of aortic and iliac aneurysms: outcomes from a single center study.

CardioVascular and Interventional Radiology 2012.

#### **Objectives**

This study was designed to assess the long-term outcome of selected patients with aortic, aortoiliac, and isolated common iliac aneurysms treated with the GORE EXCLUDER® stent-graft.

#### **Summary of Results**

# 121 PATIENTS WITH MEAN FOLLOW-UP OF 4.98 YEARS

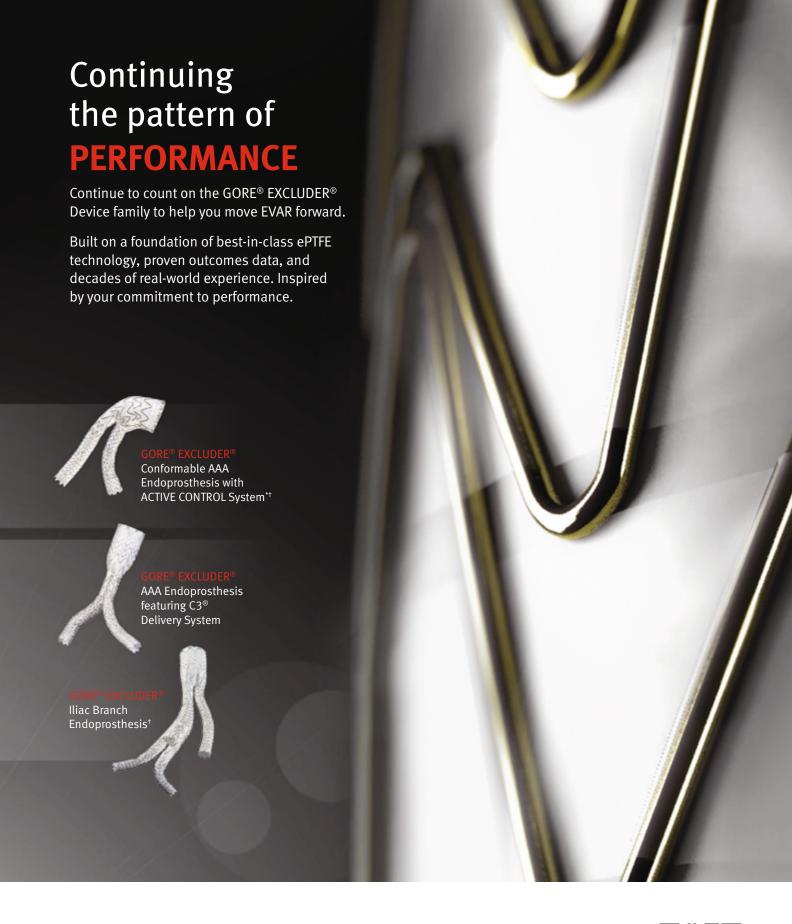
- 66% Aortic aneurysm
- 21% Aortoiliac aneurysm
- 13% Isolated common iliac aneurysm

0% Late Aneurysm Rupture

0% Early or late Type III endoleaks identified

#### **Summarized Conclusion**

[GORE® EXCLUDER® AAA Endoprosthesis] Demonstrated DURABILITY over a long-term follow-up period with NO aneurysm rupture or Type III endoleaks.





<sup>†</sup> The GORE® EXCLUDER® Iliac Branch Endoprosthesis is indicated for use with the GORE® EXCLUDER® AAA Endoprosthesis only. Please refer to *Instructions for Use* at goremedical.com.



#### References

- 1. Pratesi G, Piffaretti G, Verzini F, De Blasis G, Castelli P, Pratesi C. Ten-year outcome analysis of the Italian Excluder Registry with the Gore Excluder endograft for infrarenal abdominal aortic aneurysms. Journal of Vascular Surgery 2018;67(3):740-746.
- 2. Poublon CG, Holewin S, van Sterkenburg SMM, Tielliu IFJ, ZeebregtsCJ, Reijnen MMP. Long-term outcome of the GORE EXCLUDER AAA Endoprosthesis for treatment of infrarenal aortic aneurysms. Journal of Vascular & Interventional Radiology 2017;28(5):637-644.e1.
- 3. Katsargyris A, Mufty H, Wojs R, Utech G, Verhoeven ELG. Single-centre experience with the Gore C3 Excluder stent-graft in 200 consecutive patients. *Journal of Cardiovascular Surgery* 2016;57(4):485-490.
- 4. Lösel-Sadée H. Long term performance of Gore® EXCLUDER® AAA Endoprosthesis: a single center's experience. Italian Journal of Vascular & Endovascular Surgery 2015;22(4):189-195.
- 5. Pratesi C, Piffaretti G, Pratesi G, Castelli P; ITalian Excluder Registry Investigators. ITalian Excluder Registry and results of Gore Excluder endograft for the treatment of elective infrarenal abdominal aortic aneurysms. Journal of Vascular Surgery 2014;59(1):52-57.e1.
- 6. Maleux G, Claes H, Van Holsbeeck A, Janssen R, Laenen A, Heye S, Houthoofd S, Fourneau I. Ten years of experience with the GORE EXCLUDER® stent-graft for the treatment of aortic and iliac aneurysms: outcomes from a single center study. Cardiovascular & Interventional Radiology 2012;35(3):498-507.

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Additional literature references available upon request. To receive access to reprints or full text version of these papers, please refer to a Gore Associate.

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