

Project scope: Complex endovascular aneurysm repair

22 March 2022

Research question

What is the clinical and cost-effectiveness of complex endovascular aneurysm repair in patients with juxta-renal or thoraco-abdominal aortic aneurysm compared with open surgical repair, and how should these technologies be delivered in NHSScotland?

Inclusion criteria

The selection of studies for inclusion in the literature review element of the project will be based on the following criteria:

Population	People with juxta-renal or thoraco-abdominal aortic aneurysm
Intervention	Fenestrated endovascular aneurysm repair (F-EVAR) Branched endovascular aneurysm repair (B-EVAR) Chimney endovascular aneurysm repair (Ch-EVAR)
Comparator	Open surgical repair Non-surgical management
Outcomes	All clinical-effectiveness outcomes reported in the literature will be reported. Cost-effectiveness. Safety Patient issues Volume-outcome and learning curve relationship in complex EVAR
Limits	English language studies only. SHTG search will update the searches conducted by NICE for the abdominal aortic aneurysm guideline: Recommendations Abdominal aortic aneurysm: diagnosis and management Guidance NICE

Planned activities

SHTG have agreed on the following activities to support the development of a SHTG Recommendation on complex endovascular aneurysm repair in patients with juxta-renal or thoraco-abdominal aortic aneurysm:

1. A re-assessment of the SHTG advice statement published in 2018: [Complex endovascular aneurysm repair in patients with juxta-renal or thoraco-abdominal aortic aneurysm \(shtg.scot\)](https://www.shtg.scot.nhs.uk/complex-endovascular-aneurysm-repair-in-patients-with-juxta-renal-or-thoraco-abdominal-aortic-aneurysm/)
2. A review of the relevant evidence included in the NICE guideline published in 2020: [Recommendations | Abdominal aortic aneurysm: diagnosis and management | Guidance | NICE](https://www.nice.org.uk/guidance/ta674)
3. An updated literature search, for any clinical- and cost-effectiveness evidence published since the SHTG Advice Statement from 2018.

End products

At the end of the project, SHTG will publish:

- SHTG Recommendation

Timescales (approximate)

The draft recommendations will be presented to SHTG Council in June 2022 and, subject to their approval, published shortly after.