Abdominal aortic aneurysm repair with Lifetech Ankura AAA stent graft system

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Disclosure

Speaker name:

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I have the following potential conflicts of interest to report:

- [ ] Consulting
- [ ] Employment in industry
- [ ] Stockholder of a healthcare company
- [ ] Owner of a healthcare company
- [ ] Other(s)

- [x] I do not have any potential conflict of interest
Ankura Abdominal Aortic Aneurysm
Stent Graft System

- INDICATIONS

1. Length of proximal neck > 15 mm
2. Diameter of proximal neck 18 – 32 mm
3. Proximal neck angulation < 60°
4. Length of distal anchorage zone > 15 mm
5. Diameter of the distal anchorage zone 8 – 22 mm
Ankura Abdominal Aortic Aneurysm Stent Graft System

- Selections

Main Body
Iliac Extension
AUI
Ankura Abdominal Aortic Aneurysm Stent Graft System

- Features and Benefits

- Bare stent with security anchors for excellent fixation (better radial support and attachment to the vessel and prevention of the stent shifting inside the vessel)
- E-PTFE dual membrane with perfect biocompatibility
- Optimal radial force provide perfect sealing
- Tip capture mechanism for accurate positioning
- Easy to use, simple to assemble
Ankura Abdominal Aortic Aneurysm Stent Graft System

Features and Benefits

Advanced design

- No suture on main body >>>>> Instant occlusion
- Bi-layer E-PTFE membrane >>>>> Endoleak prevention
- Smoother inner surface >>>>> Prevent forming of blood plaque

Modified design for more flexibility

- 4-5 waves on the main body lead to better flexibility and also avoid shortening
- Single wave at the proximal end provide more flexibility
- Spiral woven connecting bar on the limb
- Braided close-knit waves with high radial force
Ankura Abdominal Aortic Aneurysm Stent Graft System

- Main Body

Improved markers for **optimal visibility**

![Markers Diagram](image-url)
Ankura Abdominal Aortic Aneurysm Stent Graft System

- Kink-resistant delivery system with hydrophilic coating
- Simple Main Body Deployment

- Black: Proximal Releaser
- Green: Secure Buckle
Ankura Abdominal Aortic Aneurysm Stent Graft System
THE IMPLANTATION MOVIE
Ankura Abdominal Aortic Aneurysm Stent Graft

OPERATION GUIDELINES

1. Preparation before implant: flush the sheath with *heparinized saline*
2. Expose bilateral femoral arteries and *insert one 0.035” super stiff guidewire* in the femoral artery then insert marker sheath for radiography.
3. Deploy the stent graft: the *short branch* of the AAA stent graft is in the same side with the *hemostasis valve* of the delivery system so always maintain hemostasis valve in opposite side of the patient.
4. Deploy the stent graft: *slowly deploy the stent graft* until the short branch is deployed.
5. *Release the proximal spring* of the stent graft then insert another guidewire through the other side of the femoral artery into the short branch of placed AAA Stent Graft.
6. *Align the radiopaque marker on the cuff stent* with the radiopaque marker on the short branch of the AAA Stent Graft with two stents overlap between them.
7. Deploy the long branch of the AAA stent graft then *unlock the trigger and pull* the slider grip along the screw gear to fully deploy the stent graft.
8. Insert another cuff stent graft system over guidewire into the long branch of the AAA stent graft.
CONCLUSIONS AND OBSERVATIONS

- **Ankura stent graft reveals very simple deployment**

- **It is the cheapest stent graft on the market**

- **The price, excellent fixation, perfect sealing and simple deployment as well as accurate positioning are the main advantages of the system.**

- **ANKURA can be useful as a rescue system during emergency operations in every vascular surgery department according to the low costs and the procedure swiftness.**
THANK YOU FOR YOUR ATTENTION

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