
ASD Occlusion System
Nit-Occlud® ASD-R

The Nit-Occlud® ASD-R occlusion system has been developed for the transcatheter occlusion of the atrial septal defect (ASD).

Nit-Occlud® ASD-R is the latest member of the growing pfm medical occluder family and is also manufactured from a single nitinol wire, resulting in a very low profile. The occluder consists of two discs with polyester membranes.

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Nit-Occlud® ASD-R is knitted from a single nitinol wire without soldering. It consists of two discs, a distal or left one and a proximal or right one. The unique single-layer distal disc reduces the metal used in the left atrium (LA) by around 50%, thus providing best patients benefit by reducing the thrombo-embolic risk.

Benefits

Unique single-wire knit

Nit-Occlud® ASD-R is knitted from a single Nitinol wire, making protruding fixation-clamps obsolete and results in a very low profile.

Patented design

The single-layer left atrial disc reduces the amount of metal used in the LA by around 50% and by this decreasing the thrombo-embolic risk.

Adaptive flexible design

Optimal compromise between flexibility and strength. The rim of the LA disc is reinforced to facilitate implantation and to avoid pull through.

Safe and simple device release

The occluder is pre-mounted, retrievable, easy to position and enables a soft and tension free release.

Various sizes

The Nit-Occlud® ASD-R is available in twelve different sizes, yet, ranging from diameters of 8 - 30 mm.

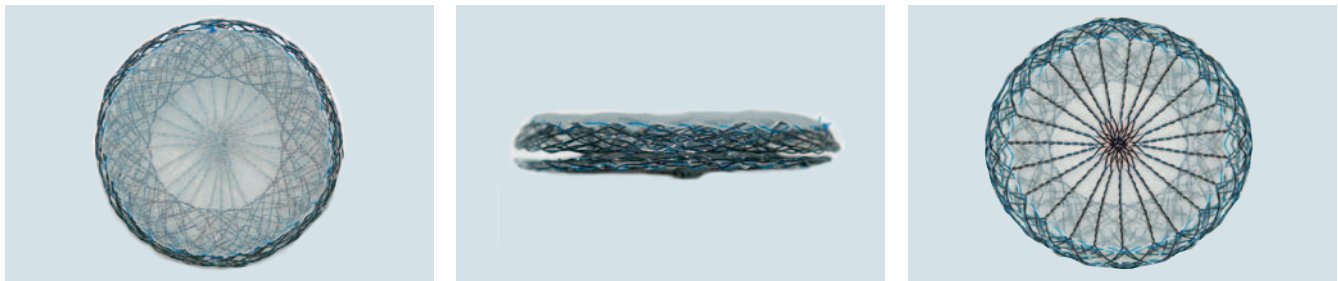
Accelerated endothelialisation

The polyester membrane facing the LA promotes accelerated endothelialisation.

Details

- ▶ Flexible and adaptive design
- ▶ Single-wire knit
- ▶ No need for protruding clamps to fix loose wire ends
- ▶ Very low-profile
- ▶ Reduction metal of around 50% in the LA
- ▶ LA polyester face accelerating endothelialisation
- ▶ Pre-mounted systems and simple to release
- ▶ Easy to reposition and to retrieve
- ▶ Radiopaque
- ▶ MR conditional

Detailed View

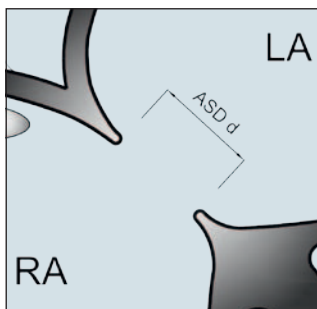


Distal disc view

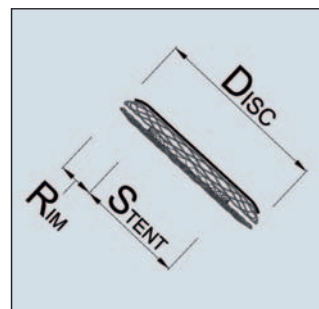
Lateral view

Proximal disc view

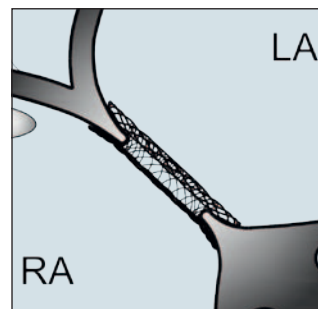
Handling



A Measuring the size of the defect



B Schematic view of Nit-Occlud ASD-R

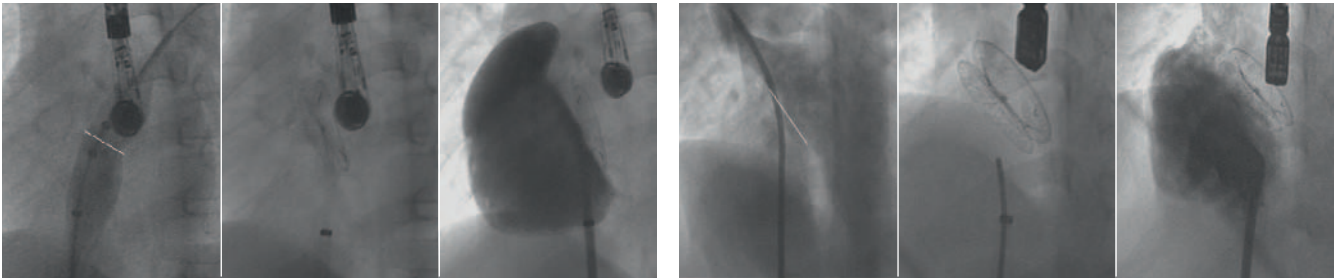


C Position of Nit-Occlud ASD-R after implantation

Perform a transesophageal ultrasound and use a sizing balloon catheter for measuring the defect. The **stent diameter of the device** should be the **same size or 1-2 mm larger than the diameter of the defect**. The margins of the defect should be more than the rim of the device.

- LA** Left atrium
- RA** Right atrium
- ASD d** Diameter of defect

Practice



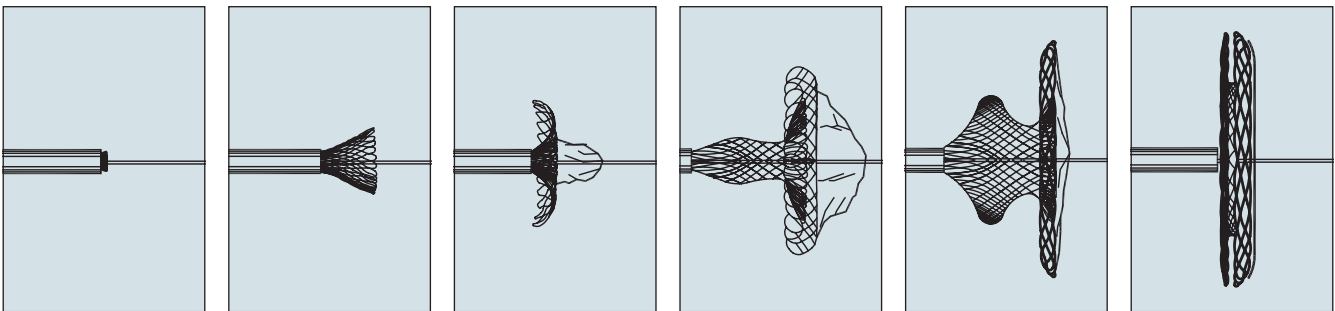
Case 1

- ▶ Patient: female, 3 years old, 14 kg
- ▶ ASD measurements: ASD secundum type, maximal diameter 13,5 mm
- ▶ Device: ASD-R (stent 14 mm, disc 24 mm)
- ▶ Clinical outcome: closed

Case 2

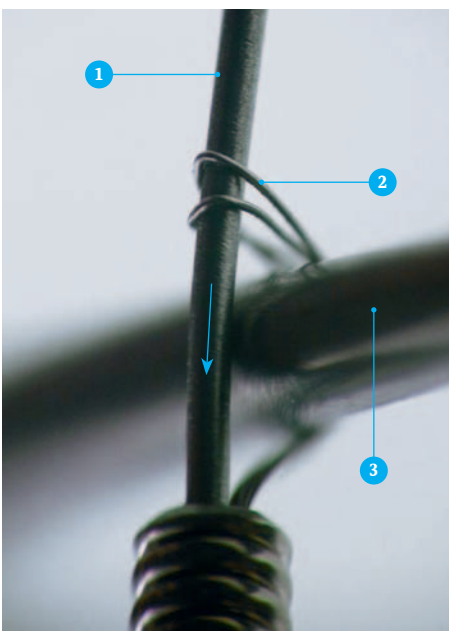
- ▶ Patient: female, 10 years old, 34 kg
- ▶ ASD measurements: ASD secundum type, maximal diameter 21,3 mm
- ▶ Device: ASD-R (stent 22 mm, disc 24 mm)
- ▶ Clinical outcome: closed

Function



The unique single-layer distal disc of Nit-Occlud® ASD-R reduces the metal in the LA. The rim of this disc is reinforced to facilitate implantation and to avoid pull through.

Use



The implant is connected to the pusher via retaining wires. A locking wire fixes this connection. To release the implant, the locking wire has to be pulled through the loop of the retaining wires.

- 1 Locking wire
- 2 Retaining wire
- 3 Part of the implant

Ordering Information



Nit-Occlud® ASD-R › Permanent implant for the closure of Atrial Septal Defect (ASD)

› Content: Implant, delivery system, transportation sheath

REF	Disc (mm)	Stent (mm)	Rim (mm)	ASD Diameter (mm)	Recommended sheath (max. length 90 cm)
160208	16	8	4,0	From 6 to 7	8 F
160210	19	10	4,5	From 7,1 to 9	8 F
160212	22	12	5,0	From 9,1 to 11	9 F
160214	24	14	5,0	From 12,1 to 13	9 F
160216	28	16	6,0	From 14,1 to 15	10 F
160218	30	18	6,0	From 15,1 to 17	11 F
160220	33	20	6,5	From 17,1 to 19	12 F
160222	35	22	6,5	From 19,1 to 21	13 F
160224	38	24	7,0	From 21,1 to 23	13 F
160226	42	26	8,0	From 23,1 to 25	13 F
160228	44	28	8,0	From 25,1 to 27	14 F
160230	47	30	8,5	From 27,1 to 30	14 F

Portfolio

Nit-Occlud® PFO

PFO Occlusion Device (umbrella type)

Nit-Occlud® PDA-R

PDA Occlusion Device (plug type)

Multi-Snare®

Grasping Device

Nit-Occlud® PDA

PDA Occlusion Device (coil type)

Nit-Occlud® Lê VSD

VSD Occlusion Device (coil type)

Contact

Do you have any questions? Our Customer Solutions Team will be glad to assist you.

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Products are subject to alterations
Nit-Occlud®: registered trademark
in Germany

Manufacturer:
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