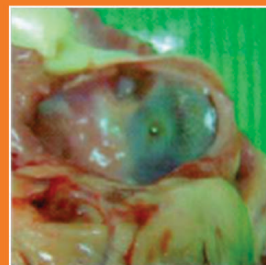


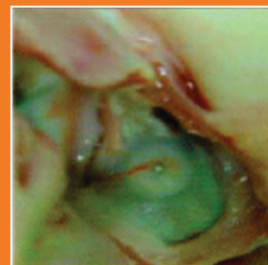


Septal Occluder No COMPROMISE

Preclinical studies**



Neoendothelialization on the left atrial surface of the device at 36 days after implantation



Neoendothelialization on the left atrial surface of the device at 42 days after implantation

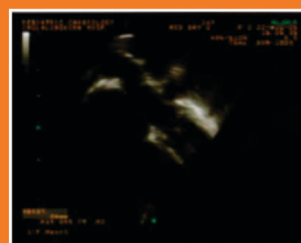


Neoendothelialization on the right atrial surface of the device at 36 days after implantation

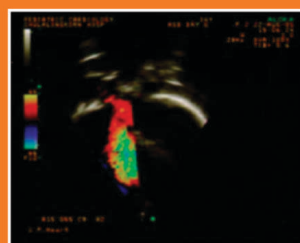


Neoendothelialization on the right atrial surface of the device at 42 days after implantation

Clinical case**



Pre-closure - ASD size of 26 mm



Pre-closure - left to right shunt by colour doppler



Four chamber view showing complete ASD closure - 180 days after Cocoon device implantation



Parasternal short axis view showing complete ASD closure - 180 days after Cocoon device implantation

Ordering information

Product code	Sheath (F)	Cocoon accessory set catalog number	Cocoon delivery cable catalog number
COA08	6-7	COA6F / COA7F	CDC6F
COA10	6-7	COA6F / COA7F	CDC6F
COA12	8-9	COA8F / COA9F	CDC6F
COA14	8-9	COA8F / COA9F	CDC6F
COA16	8-9	COA8F / COA9F	CDC6F
COA18	10-12	COA10F / COA12F	CDC6F
COA20	10-12	COA10F / COA12F	CDC6F
COA22	10-12	COA10F / COA12F	CDC6F
COA24	10-12	COA10F / COA12F	CDC6F
COA26	10-12	COA10F / COA12F	CDC6F
COA28	10-12	COA10F / COA12F	CDC6F
COA30	12-14	COA12F / COA14F	CDC6F
COA32	12-14	COA12F / COA14F	CDC6F
COA34	12-14	COA12F / COA14F	CDC6F
COA36	12-14	COA12F / COA14F	CDC6F
COA38	12-14	COA12F / COA14F	CDC6F
COA40	12-14	COA12F / COA14F	CDC6F
COA42**	14	COA14F	CDC6F

COA/BRO/EN01 Rev.02

ASD - Atrial Septal Defect

1. Hellenic J. Cardiol. 2021 May-Jun;62(3):206-211.
2. Medicines. 2019 Mar;38(10).
3. Int. J. Cardiol. 2014 Dec;15:177(2):418-22.
4. Catheter Cardiovasc Interv. 2015 Sep;186(3).

*Data on SMT file. R & D tests performed using 26 mm Septal Occluders for both devices. The test results are an average of the test performed three times. **Not available for use in CE mark required countries.

*Recapture and redeployment is possible only if delivery cable is securely connected to the disc.

Caution: This product is intended for use by or under the direction of a physician. Prior to use, refer to the "Instructions for use" supplied with these devices for indications, contraindications, side effects, suggested procedure warnings and precautions. As part of our continuous product development policy, we reserve the right to change product specifications without prior notification. Information contained herein is for distribution outside the USA & Japan.

Check the regulatory status of the device before distribution in areas where CE marking is not the regulation in force. Tests performed by and data on file at Sahajand Medical Technologies Limited (SMT). Illustrations are artist's representations only and should not be considered as engineering drawings or photographs. Photos on file at Sahajand Medical Technologies Limited.

Cocoon Septal Occluder is manufactured by Vascular Innovations Co., Ltd. Thailand, a SMT group company. Cocoon is a trademark of Vascular Innovations Co., Ltd.

Cocoon range of occluders are currently not approved by USFDA and are not available for sale in USA.

Disclaimer: © 2023 Sahajand Medical Technologies Limited - All rights reserved. Specifications are subject to modification, revision and improvement.

Registered Office: Sahajand Medical Technologies Limited

"Sahajand Estate", Wakharia Wadi, Near Dabhoi Char Rasta, Ved Road, Surat 395004, Gujarat, INDIA Tel: +91 261 6112800 Fax: +91 261 6112801

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Septal Occluder

No COMPROMISE





CE
1434

Septal Occluder No COMPROMISE

Optimal sealing
of defects

Flexibility
(disc level)



Designed to
minimize
nickel leaching
Platinum
coating

Softness to
protect

Conformability
(disc level)



Septal Occluder No COMPROMISE

Technical specifications

Product code	Device size Ø3 (mm)	Left atrial disc diameter Ø1 (mm)	Waist length L (mm)	Right atrial disc diameter Ø2 (mm)	Sheath (F)
COA08	8	20	3	18	6-7
COA10	10	22	3	20	6-7
COA12	12	26	4	22	8-9
COA14	14	28	4	24	8-9
COA16	16	30	4	26	8-9
COA18	18	32	4	28	10-12
COA20	20	34	4	30	10-12
COA22	22	36	4	32	10-12
COA24	24	38	4	34	10-12
COA26	26	40	4	36	10-12
COA28	28	42	4	38	10-12
COA30	30	44	4	40	12-14
COA32	32	46	4	42	12-14
COA34	34	50	4	44	12-14
COA36	36	52	4	46	12-14
COA38	38	54	4	48	12-14
COA40	40	56	4	50	12-14
COA42**	42	58	4	52	14

Usable length of compatible accessories (cm)

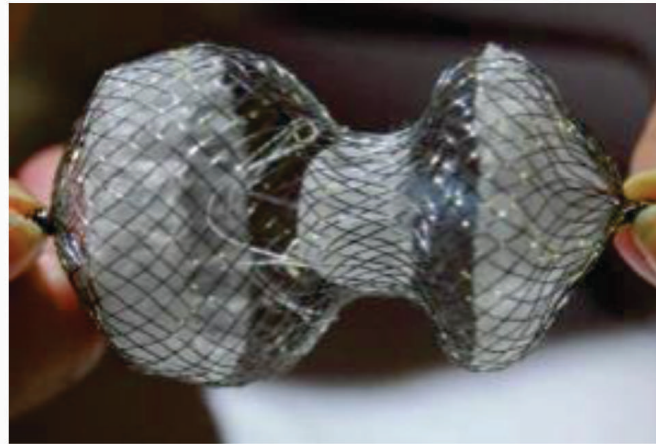
	6F	7F	8F	9F	10F	12F	14F
Sheath	60	60	78	78	78	78	78
Dilator	66	66	84	84	84	84	84
Loader	9	9	9	11	11	13	13

Delivery cable

Catalog number	Profile	Length	Size
CDC6F	0.077"	117 cm	6F



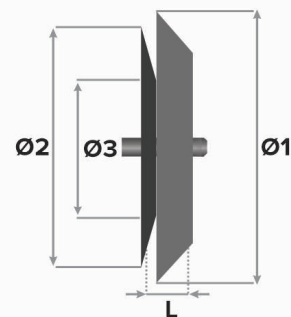
Optimal sealing of defects



The waist of Cocoon Septal Occluder has **adequate sealing strength** at the disc level: Up to **100% immediate closure rates**^{1,2}

Device Description

- Self-expanding, self-centering double disc device with unique platinum coating
- Discs are filled with polypropylene fabric which assists thrombogenicity
- Ability to recapture and redeploy*
- 0% erosion up to 43 months of follow-up in more than 4000 patients¹
- 95% to 100% device success rate from early European experience^{3,4}



Design:

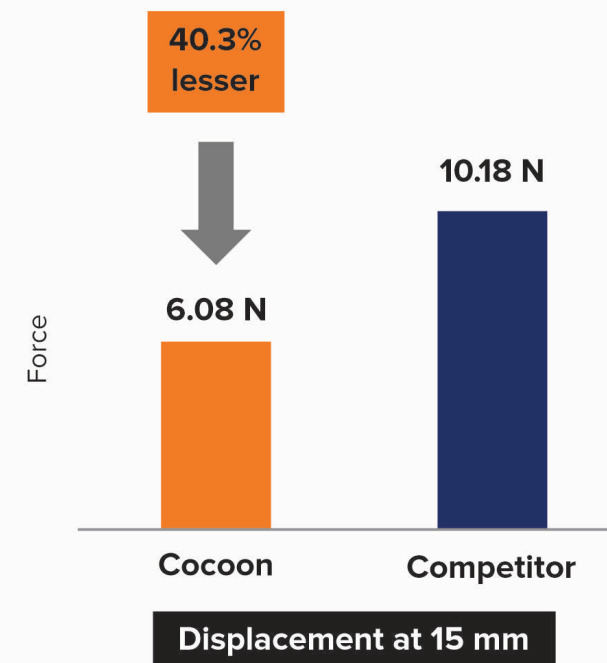
Left atrial disc diameter (Ø1)

Device size (Ø3)

Right atrial disc diameter (Ø2)

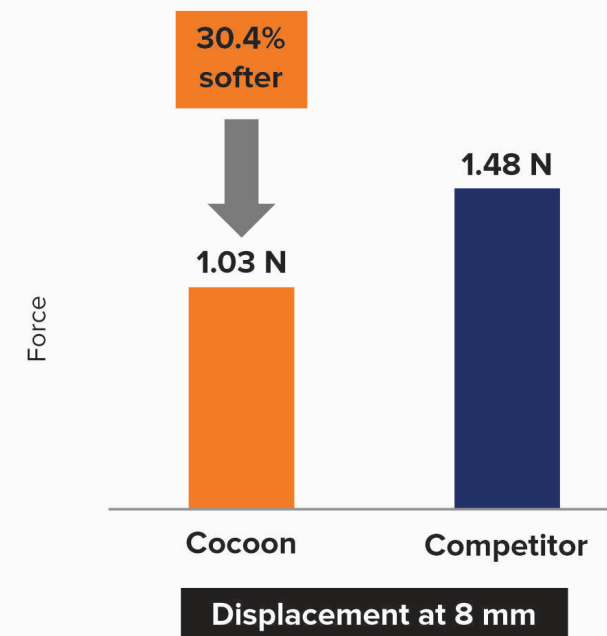
Waist length (L)

Flexibility at the disc level*



Cocoon Septal Occluder requires **40.3% less force** compared to competitor for displacement at 15 mm indicating **higher flexibility of the discs**

Softness to protect*



Cocoon Septal Occluder requires **30.4% less force** compared to competitor for displacement at 8 mm indicating **higher softness of the discs**

Conformability at the discs

Right disc

Better conformability of the right atrial disc with the Cocoon Septal Occluder



Cocoon Septal Occluder

Good conformability of the right atrial disc with the Competitor

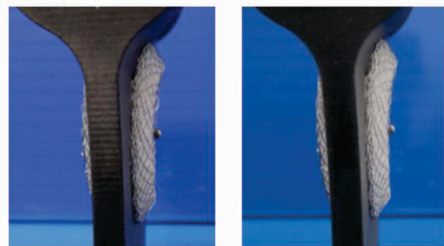


Competitor

Cocoon Septal Occluder is highly conformable

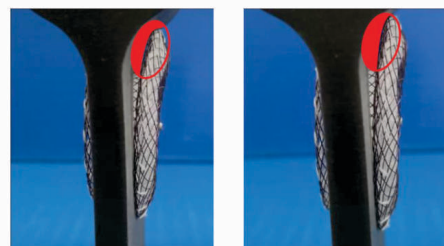
Left disc

Left atrial disc shows no gap with Cocoon Septal Occluder



Cocoon Septal Occluder

Gap is evident, chances of edge penetration are higher with the Competitor

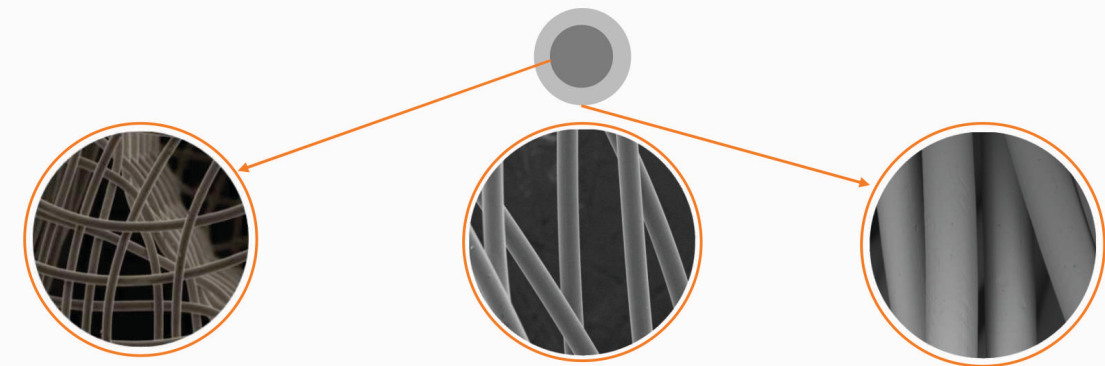


Competitor

Cocoon Septal Occluder is highly conformable

Designed to minimize nickel leaching Platinum coating

- Ultrathin layer of **Platinum atoms** using **nanofusion technology** is coated on the Nitinol wire by a process called plasma deposition
- **Platinum** coating makes the Cocoon Occluders inert, biocompatible, non-corrosive and non-allergic and also enhances radiopacity



Raw nitinol

Electropolished

Platinum coating

Platinum coating makes Cocoon Occluders:

Biocompatible

Non-corrosive

Non-allergic

More radiopaque