



Vascularperspectives

innovations for the interventionalist

HELIX RADIAL COMPRESSION DEVICE

For easier patient haemostasis

HELIX™

For easier patent haemostasis

The simple solution for 'guided' patent haemostasis and preservation of the radial artery



FINDINGS FROM THE PROPHET STUDY

Catheterization and Cardiovascular Interventions DOI 10.1002/ccd.

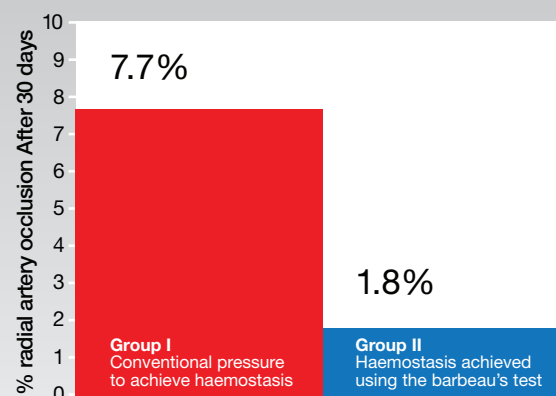
Published on behalf of The Society for Cardiovascular Angiography and Interventions (SCAI).

Objective: The objective of this study was to evaluate the efficacy of haemostasis with patency in avoiding radial artery occlusion after transradial catheterization.

Background: Radial artery occlusion is an infrequent but discouraging complication of transradial access. It is related to factors such as sheath to artery ratio and is less common in patients receiving heparin. Despite being clinically silent in most cases, it limits future transradial access.

Patients and Methods: Four hundred thirty-six consecutive patients undergoing transradial catheterization were prospectively enrolled in the study. Two hundred nineteen patients were randomized to group I, and underwent conventional pressure application for haemostasis. Two hundred seventeen patients were randomized to group II and underwent pressure application confirming radial artery patency using Barbeau's test. Radial artery patency was studied at 24 hr and 30 days using Barbeau's test.

Results:



Conclusion: Patent haemostasis is highly effective in reducing radial artery occlusion after radial access and guided compression should be performed to maintain radial artery patency at the time of haemostasis, to prevent future radial artery occlusion.

Vascular perspectives

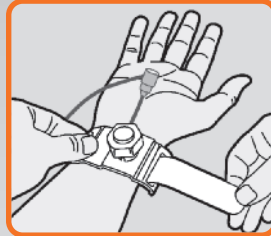
innovations for the interventionalist

Instructions for use

How to apply



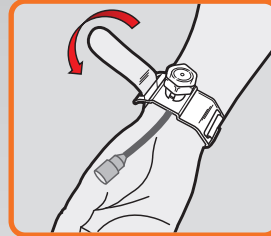
- 1. After the procedure**
– withdraw the sheath 2–3cm and confirm no vasospasm is evident. If vasospasm is evident then treat appropriately



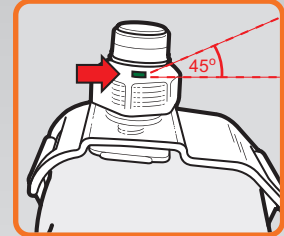
- 2. Align centre of cushion**
5mm behind puncture site and apply to patient.

CAUTION

The device must be positioned differently when use on the left or right hand. When attaching the device, ensure that the bottom of "M+" logo on the wrist plate is closest to the patient's little finger.



- 3. Insert band into slot on wrist plate**, affix velcro strap firmly behind the wrist, ensuring the strap is taut.

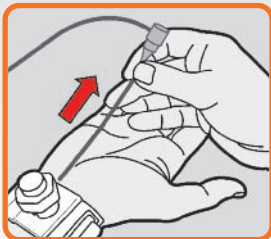


- 4. Make several clockwise rotations** of turn cap until adequate pressure is applied to allow for haemostasis.

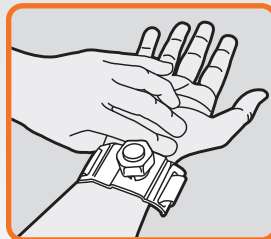
Pressure indicators:

GREEN 150mmHg ~ 200mmHg

YELLOW 200mmHg ~ 250mmHg



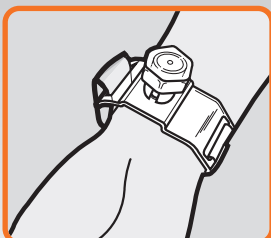
- 5. Compress the wrist plate whilst removing the sheath.**
Release and confirm haemostasis has been achieved. Ensure a radial pulse is evident.



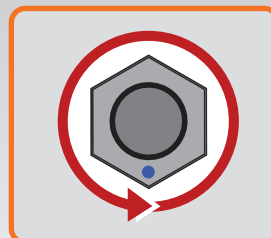
- 6. Check for radial pulse using Allen's Test** and adjust pressure if necessary.

Instructions for use

How to reduce pressure

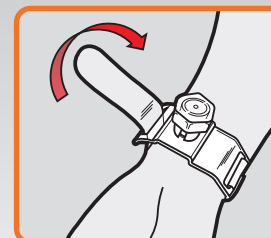


- 1. Keep device in place for 2 hours** if <2500iu of HEPARIN have been given and 4 hours if >2500iu of HEPARIN have been given.



- 2. Reduce pressure by turning Turn Cap 1 full anticlockwise turn every 20 mins** and observe for bleeding each time pressure is reduced.

If bleeding does re-occur, tighten the Turn Cap by turning clockwise until haemostasis is achieved.



- 3. Once haemostasis has been achieved slowly remove the device whilst observing the puncture site.**
Apply a sterile dressing, which should remain in situ for 24 hours.

Ordering information

Cat. No.	Product	Quantity
010211	Helix™ Radial Compression Device	Supplied in boxes of 10 with 10 Post Procedure Guide Stickers

Completing **HELIX™** Post Procedure Guide Stickers
(actual size is 99mm x 57mm)

Example only

Vascularperspectives
Helix Post Procedure Guide

TIME APPLIED 10:00am

Measuring turns applied on HELIX™ device

Enter number of turns here

Time HELIX™ applied

Enter time pressure reduced and tick once completed

No. OF TURNS TO REDUCE PRESSURE (TOP OF HELIX)	TIME COMPLETED
<input type="checkbox"/>	8
<input type="checkbox"/>	7
<input type="checkbox"/>	6
<input type="checkbox"/>	5
<input type="checkbox"/>	4
<input checked="" type="checkbox"/>	3 12.40pm
<input checked="" type="checkbox"/>	2 12.20pm
<input checked="" type="checkbox"/>	1 12.00pm

A3 laminated IFU posters available on request

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