

# Syvek Radial™

## Radial Hemostasis System

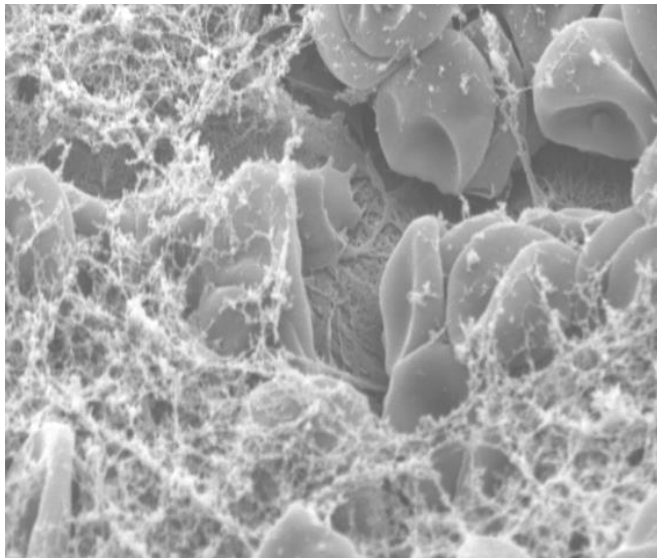
**MPT** MARINE POLYMER  
TECHNOLOGIES

Innovative Medical Solutions



# What is Syvek<sup>®</sup>?

- A *noninvasive* vascular access hemostasis system
- Indicated by the FDA for “*The promotion of rapid control of bleeding from vascular access sites, percutaneous catheters or tubes, surgical debridement, and indicated for use in patients who are on anticoagulation therapy*”



6µm 3200X

- Syvek<sup>®</sup> contains poly-N-acetyl glucosamine (pGlcNAc) fibers derived from microalgae.
- The fibers from this marine polymer are proven to accelerate platelet activation, red blood cell aggregation and vasoconstriction.<sup>1</sup>

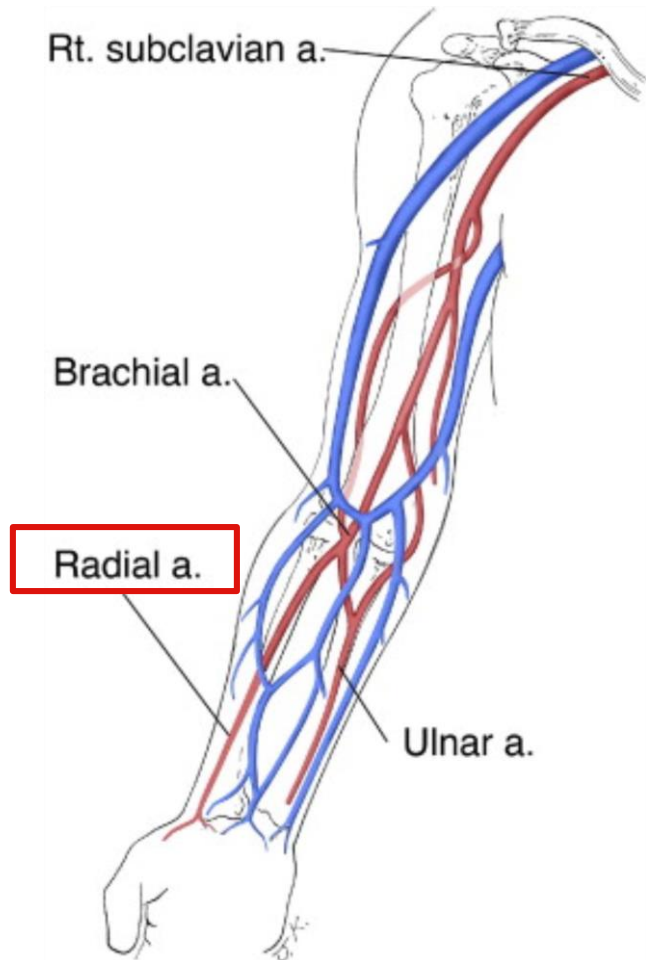


Scanning Electron Micrograph courtesy of Thomas H. Fischer, PhD. Dept. of Pathology and Laboratory Medicine. University of North Carolina, Chapel Hill, NC

<sup>1</sup>Jewelewicz D, Cohn S, Crookes B, et al. J Trauma. 2003; 55:275-281

# Why the Radial Artery Approach?

## Transradial Cardiac Catheterization:



- Decreased risk of bleeding complications
  - Transradial access is associated with a 73% reduction in bleeding compared to transfemoral access<sup>1</sup>
- Reduced bedrest duration and shorter times to ambulation
- Increased patient comfort
- Cost effective

# Syvek Radial™ Clinical Advantages



**Syvek® Brace** and straps function to support and immobilize the wrist throughout trans radial cardiac catheterization procedure

- Universal fit for the right and left hand



**Syvek Radial™ Patch** accelerates hemostasis, even in anticoagulated patients, through proven mechanisms.

- Syvek® has been utilized in 1000+ hospitals nationwide following radial and femoral catheterization



**Syvek Radial™ Band** allows for easy, self contained bladder inflation and deflation

- Separate inflation pump limits the risk of unintended bladder decompression
- **Syvek Radial™ Band** bladder design specifically targets the radial artery, ensuring ulnar artery remains patent.

# Syvek Radial™ Clinical Advantages



- “Accelerated hemostasis with a poly-n-acetyl glucosamine containing patch allows for very short compression times and high early radial artery patency.”<sup>1</sup>

<sup>1</sup>Turi *et al.* Facilitated compression of the radial artery with the Syvek patch allows early hemostasis and preservation of radial artery patency: preliminary results of the RAPID trial. SCAI 2012