EXPANDING TRANSRADIAL ACCESS FOR MORE PATIENTS

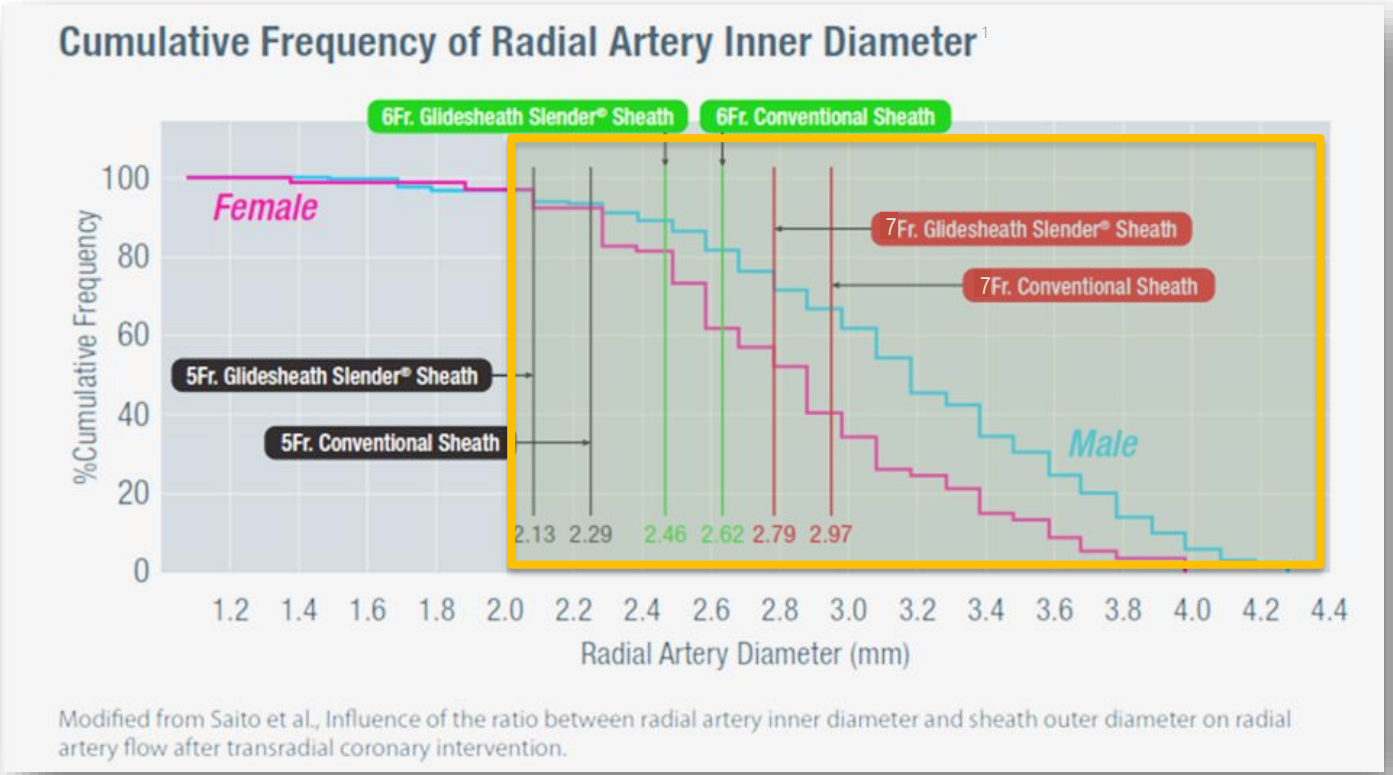
Glidesheath Slender

Transradial Introducer Kit

TRI

TERUMO RADIAL INTERVENTION

Expanding TRI – For More Patients

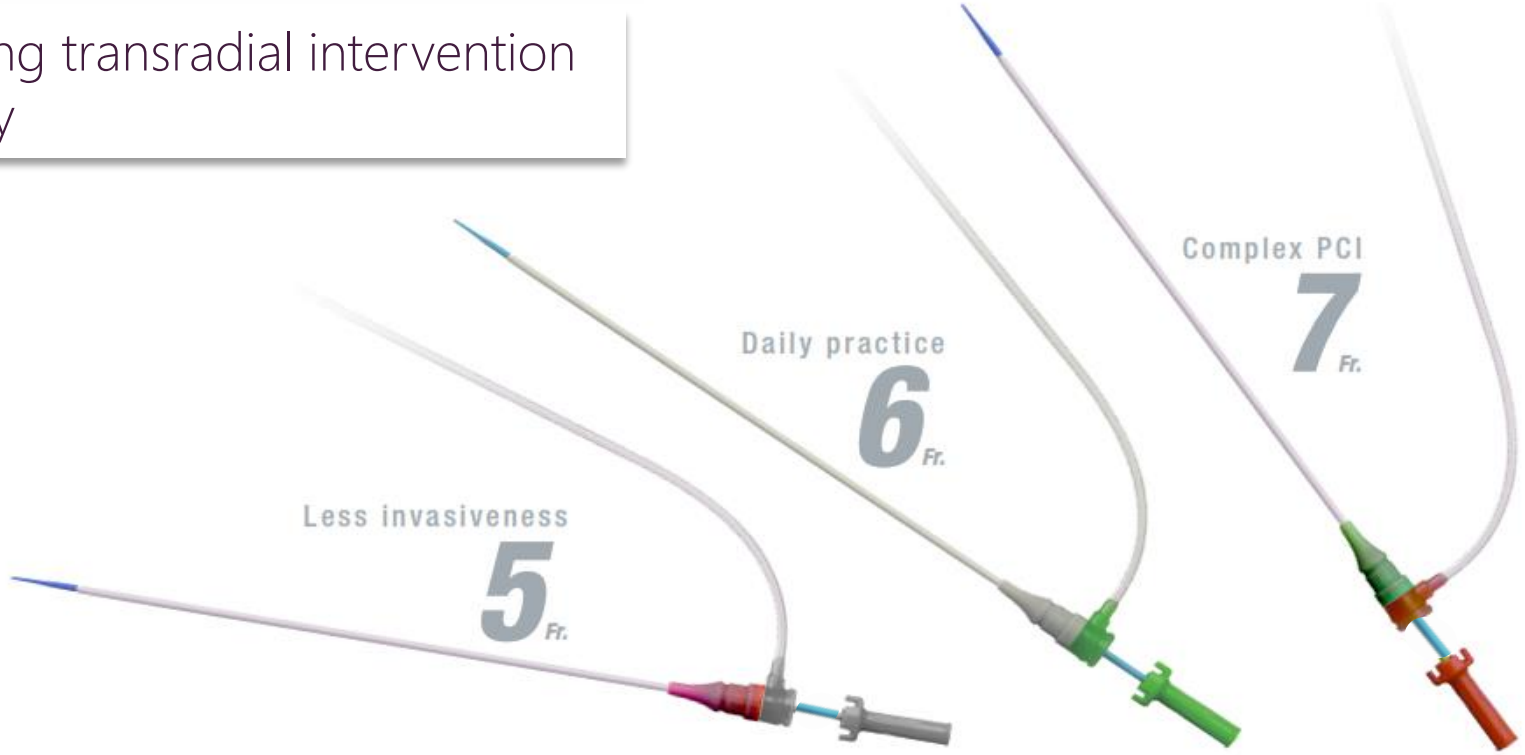


TERUMO INTERVENTIONAL SYSTEMS

1. Saito S, et al. Influence of the ratio between radial artery inner diameter and sheath outer diameter on radial artery flow after transradial coronary intervention. *Cath Cardio Inter*. 1999;46(2):173-178.

Glidesheath Slender®

Supporting transradial intervention every day



TERUMO INTERVENTIONAL SYSTEMS

Expanding to Provide More Possibilities…

…with Radial Access

Smaller sheath footprint will help to minimize the chances of reduced radial flow, spasm, radial injury and delayed radial artery occlusion.[1]

The proportion of patients with a mean radial diameter smaller than 2.52mm ranges from:
14% - 32% in men[1]
27% - 60% in women[1]

Complex PCI's are now an option: rotablator, bifurcation, left main, CTO, etc.

TERUMO INTERVENTIONAL SYSTEMS

1. Kotowycz M, Džavík V. Radial Artery Patency After Transradial Catheterization. Circ Cardiovasc Interv. 2012;5:127-133

Features & Benefits

Glidesheath Slender®

INCREASE YOUR
RADIAL ACCESS OPTIONS

Thin-wall technology
in a full size range
5, 6 and 7Fr

Maximize procedural outcomes

Perform diagnostic and interventional procedures without upsizing to a larger sheath

Enhance patient comfort

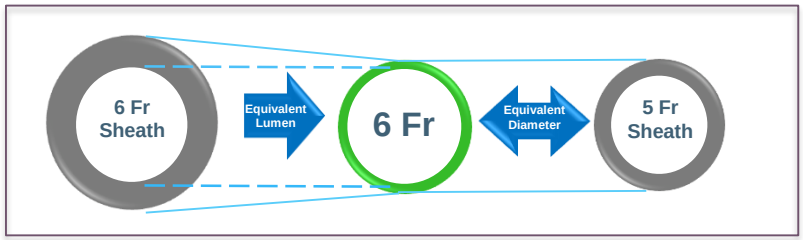
Optimal access also for small radial arteries

TERUMO INTERVENTIONAL SYSTEMS

Maximize procedural outcomes

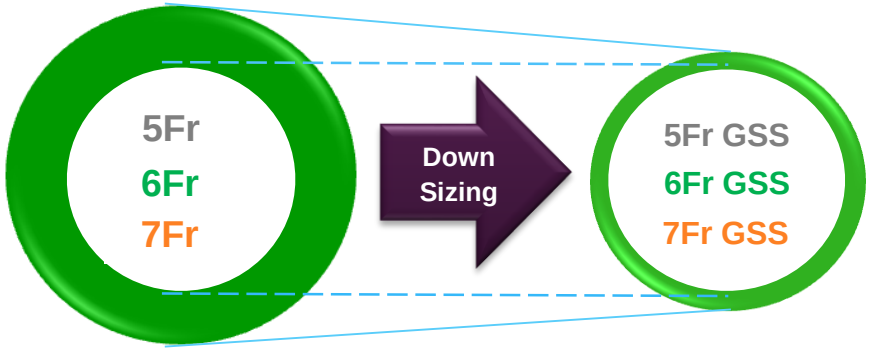
Perform diagnostic and interventional procedures without upsizing the sheath

- Unique thin-wall technology
  - 1 Fr size reduction in outer diameter
  - Maintaining larger inner-diameter equivalent

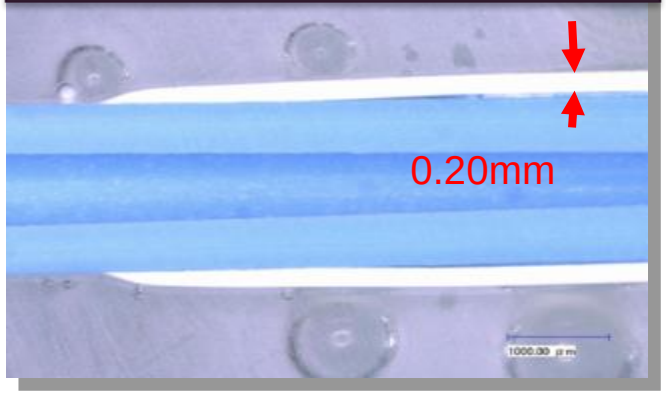


TERUMO INTERVENTIONAL SYSTEMS

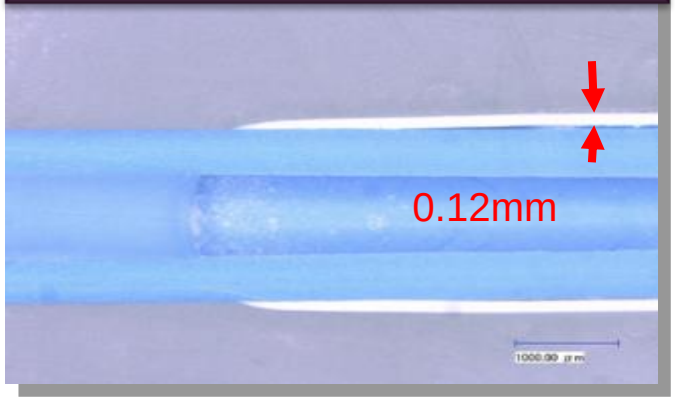
5, 6 and 7Fr Glidesheath Slender: “More with Less”



Radifocus Introducer II



Glidesheath Slender

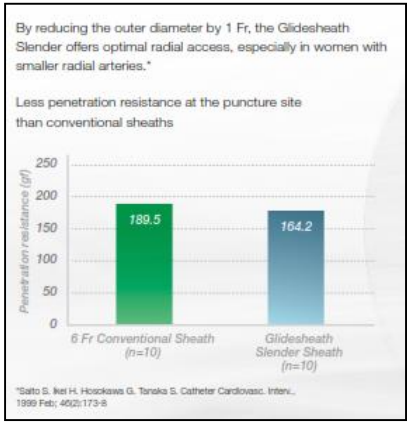


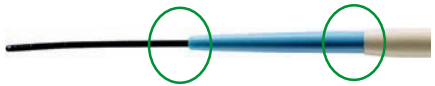
Enhance patient comfort

Reduced risk of damaging the radial artery

- M Coat™ hydrophilic coating
  - Ease of insertion and removal
  - Less penetration resistance than conventional sheaths[1]

- TIF Tip Technology
  - Total Integrated Fit, optimal tapering design for smooth penetration

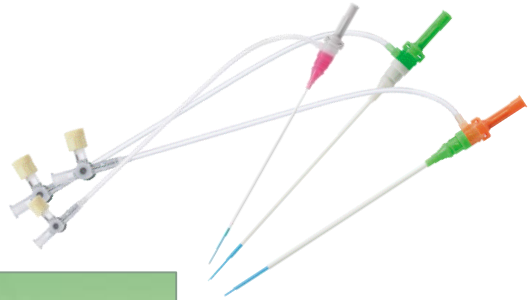




TERUMO INTERVENTIONAL SYSTEMS

1. Kiemeneij F. et al. Hydrophilic Coating Aids Radial Sheath Withdrawal and Reduces Patient Discomfort Following Transradial Coronary Intervention: A Randomized Double-Blind Comparison of Coated and Uncoated Sheaths. Catheterization and Cardiovascular Interventions 59:161–164 (2003)

Glidesheath Slender®



Perform diagnostic and interventional procedures without upsizing to a larger sheath

MAXIMIZE
PROCEDURAL OUTCOMES

Reduced risk of damaging the radial artery[5]

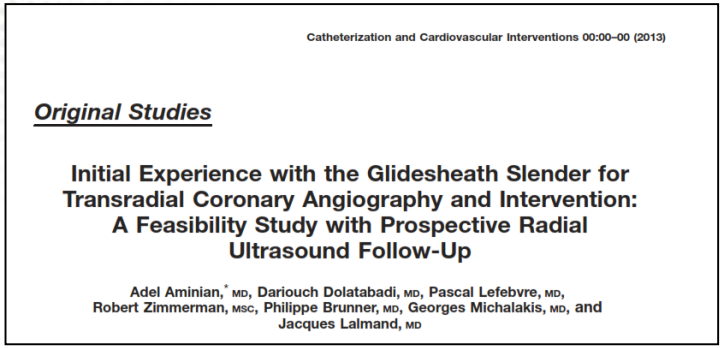
ENHANCE
PATIENT COMFORT

Smaller diameter sheaths enhance post-procedure hemostasis[1]
and, in combination with a hydrophilic coating, reduce radial spasm and radial occlusion.[2,3,4]

TERUMO INTERVENTIONAL SYSTEMS

1. Rao S, Bernat I, Bertrand O. Remaining challenges and opportunities for improvement in percutaneous transradial coronary procedures. Euro Heart J. 2012;33(20):2521-2526.
2. Saito S, et al. Influence of the ratio between radial artery inner diameter and sheath outer diameter on radial artery flow after transradial coronary intervention. Cath Cardio Inter. 1999;46(2):173-178.
3. Saito S, Tanaka S, Hiroe Y, et al. Usefulness of hydrophilic coating on arterial sheath introducer in transradial coronary intervention. Cath Cardio Inter. 2002;56(3):328-332.
4. Kotowycz M, Džavík V. Radial Artery Patency After Transradial Catheterization. Circ Cardiovasc Interv. 2012;5:127-133
5. Kiemeneij F. et al. Hydrophilic Coating Aids Radial Sheath Withdrawal and Reduces Patient Discomfort Following Transradial Coronary Intervention: A Randomized Double-Blind Comparison of Coated and Uncoated Sheaths. Catheterization and Cardiovascular Interventions 59:161–164 (2003)

Glidesheath Slender® – Clinical results (6Fr)[1]



Catheterization and Cardiovascular Interventions 00:00–00 (2013)

Original Studies

Initial Experience with the Glidesheath Slender for Transradial Coronary Angiography and Intervention: A Feasibility Study with Prospective Radial Ultrasound Follow-Up

Adel Aminian,* MD, Dariouch Dolatabadi, MD, Pascal Lefebvre, MD, Robert Zimmerman, MSC, Philippe Brunner, MD, Georges Michalakis, MD, and Jacques Lalmand, MD

- 114 patients
- All comer population, including ACS and complex PCI

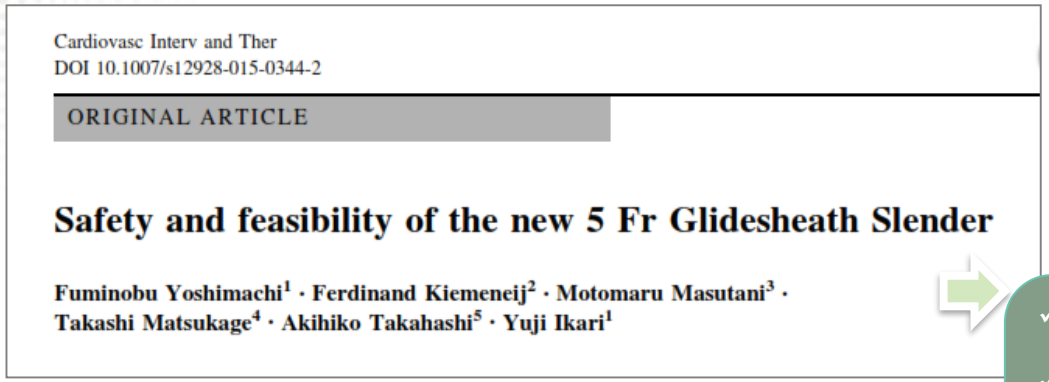
- ✓ Procedural success rate 99,1%
- ✓ Low rate of radial artery occlusion (0,88%)
- ✓ Low rates of vascular complications and spasm
- ✓ Less invasive → shorter compression time

- Routine use of Glidesheath Slender for angiography & intervention is safe & feasible
- Potential to allow complex PCI while limiting local trauma to the artery

TERUMO INTERVENTIONAL SYSTEMS

1. Aminian A. et al. Initial experience with the Glidesheath Slender for transradial coronary angiography and intervention: a feasibility study with prospective radial ultrasound follow-up, Catheter Cardiovasc Interv. 2014 Sep 1;84(3):436-42. doi: 10.1002/ccd.25232. Epub 2013 Nov 6.

Glidesheath Slender® – Clinical results (5Fr)[1]



Cardiovasc Interv and Ther
DOI 10.1007/s12928-015-0344-2

ORIGINAL ARTICLE

Safety and feasibility of the new 5 Fr Glidesheath Slender

Fuminobu Yoshimachi[1] · Ferdinand Kiemeneij[2] · Motomaru Masutani[3] · Takashi Matsukage[4] · Akihiko Takahashi[5] · Yuji Ikari[1]

- 21 patients
- Cases done in Tergooi (NL), Dr. Kiemeneij
- TRA and TRI cases, ad-hoc PCI planned for all patients
- Right and left radial artery access
- Hemostasis with TR Band or bandage

➢ The new 5Fr GSS is safe and feasible for transradial angiography & intervention

✓ No case of radial artery occlusion

✓ No vascular complication or spasm

✓ Patent radial artery in all cases (100%)

✓ Low pain scores

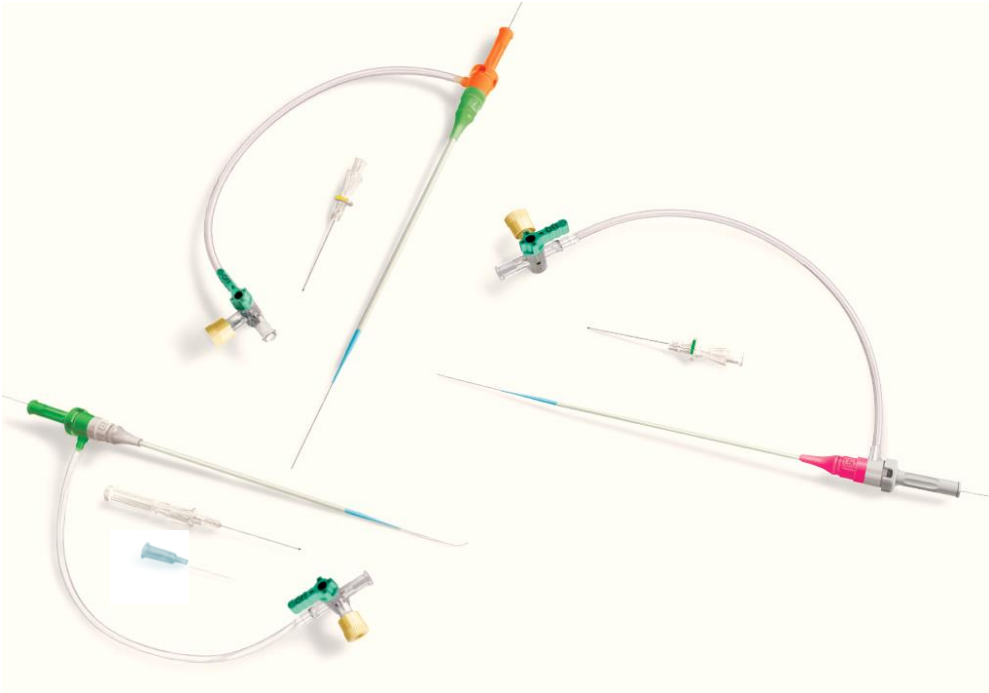
1. Yoshimachi F. et al. Safety and feasibility of the new 5Fr Glidesheath Slender. Cardiovasc Interv and Ther. DOI 10,1007/s12928-015-0344-2

Glidesheath Slender®

5, 6, 7Fr Glidesheath Slender

Plastic IV cannula
- 0.021" & 0.025" plastic and spring wires
- 20G & 22G Surflash needle
- Sheath length: 10cm, 16cm

Metallic entry needle
- 0.018" (5 & 6Fr 10cm sheaths), 0.021" & 0.025" spring wires
- 20G, 21G & 22G (5 & 6Fr sheaths) metallic needle
- Sheath length: 10cm, 16cm



TERUMO INTERVENTIONAL SYSTEMS

TERUMO
INTERVENTIONAL
SYSTEMS

Thank You