

What do radiologists need to know about vascular access?

Bart Dolmatch, MD FSIR

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Disclosures

Consulting and Advisory

Bard/BD

Merit Medical Systems Inc

TVA Medical Inc

Bluegrass Vascular Tech Inc

Symic Inc

Ownership/Equity

Merit Medical Systems Inc

Black Swan Vascular Inc

TVA Medical Inc

Symic Inc

Be a clinician
Join the team
Follow the data
Think about it
Safety first

Be a clinician

Follow your patients in an outpatient clinic

Use your clinical skills and judgment

Refer as appropriate



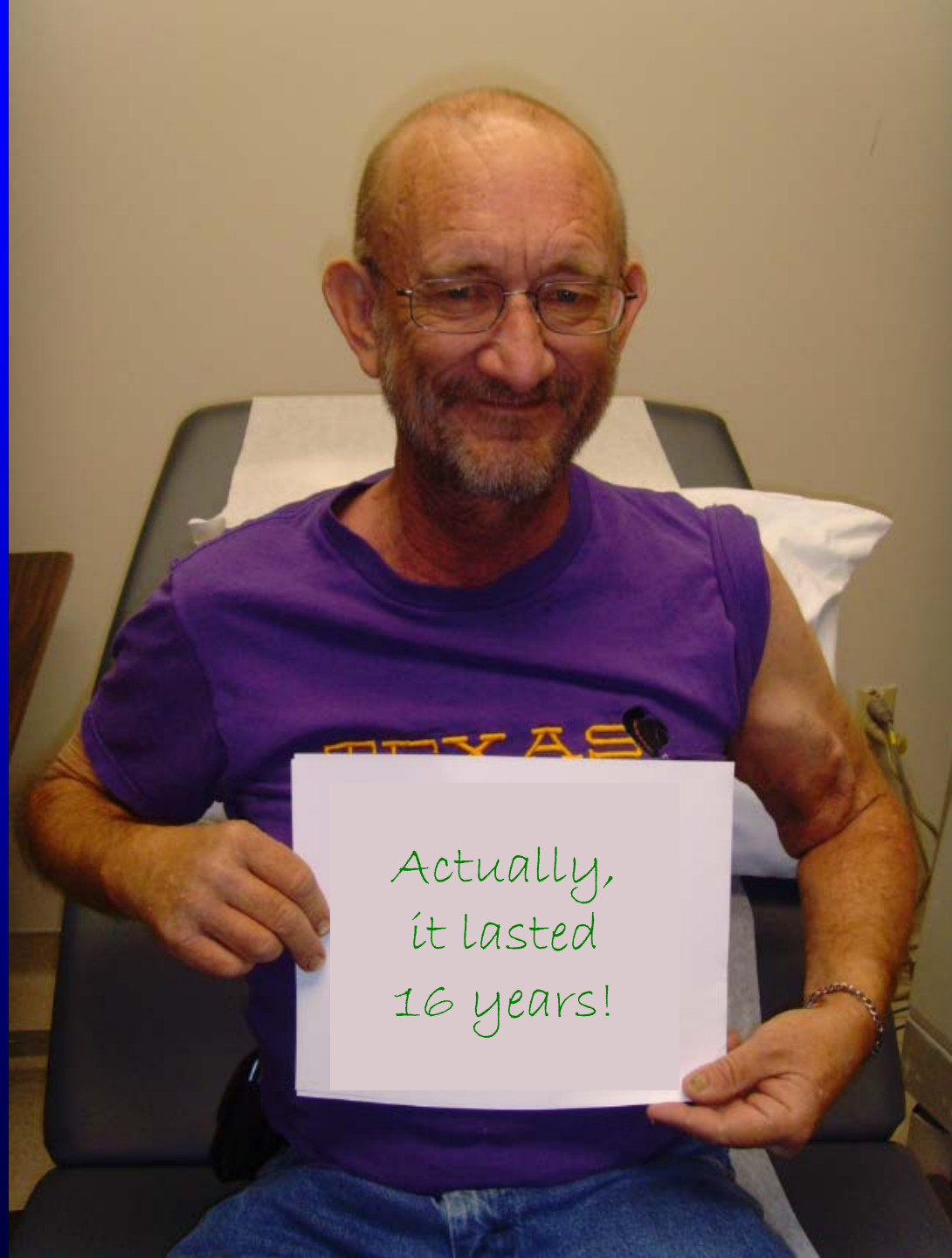
BVT AVF REFERRED FOR FISTULOGRAM



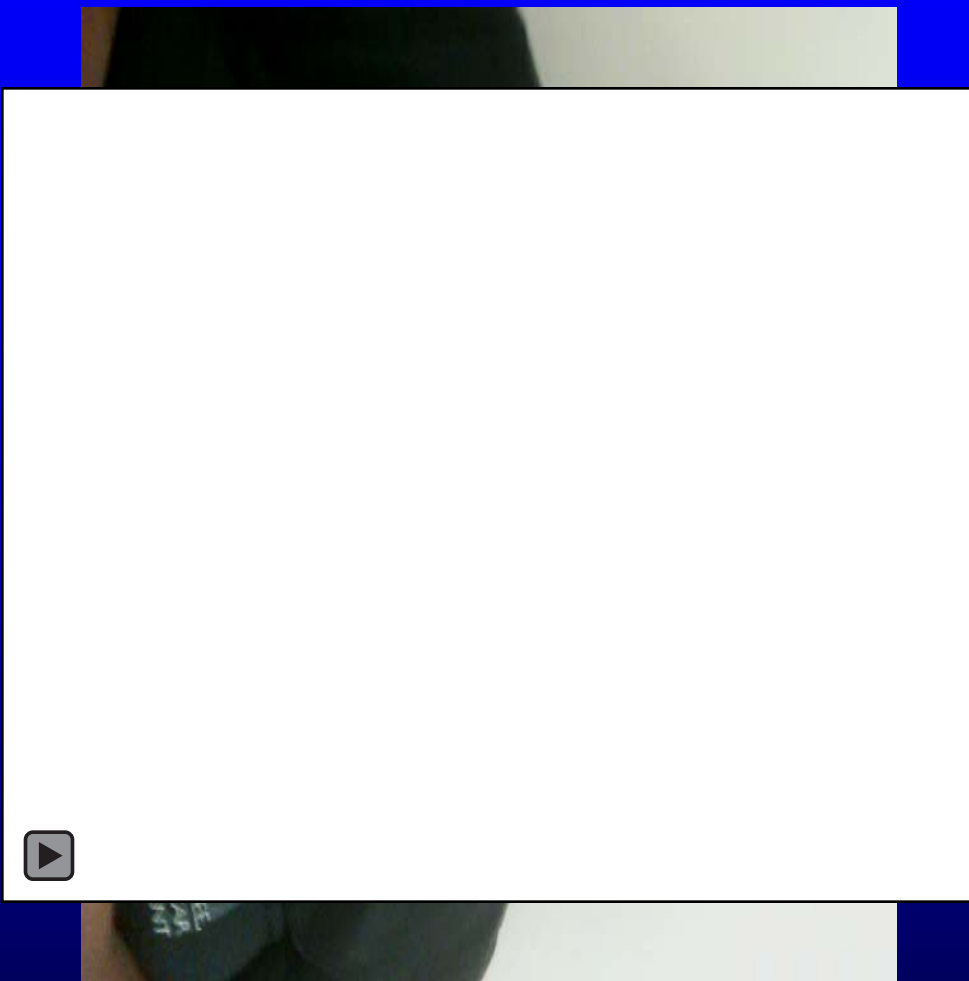
REFERRED
FOR
DECLOT!

PLACED
CATHETER
and
REFERRED FOR
NEW ACCESS





Actually,
it lasted
16 years!



Team Sport

ESRD patient care is a shared responsibility

Communication is essential

The Ineffective Dialysis Access Team Model “Access of Evil”

Surgery



Nephrology



Radiology



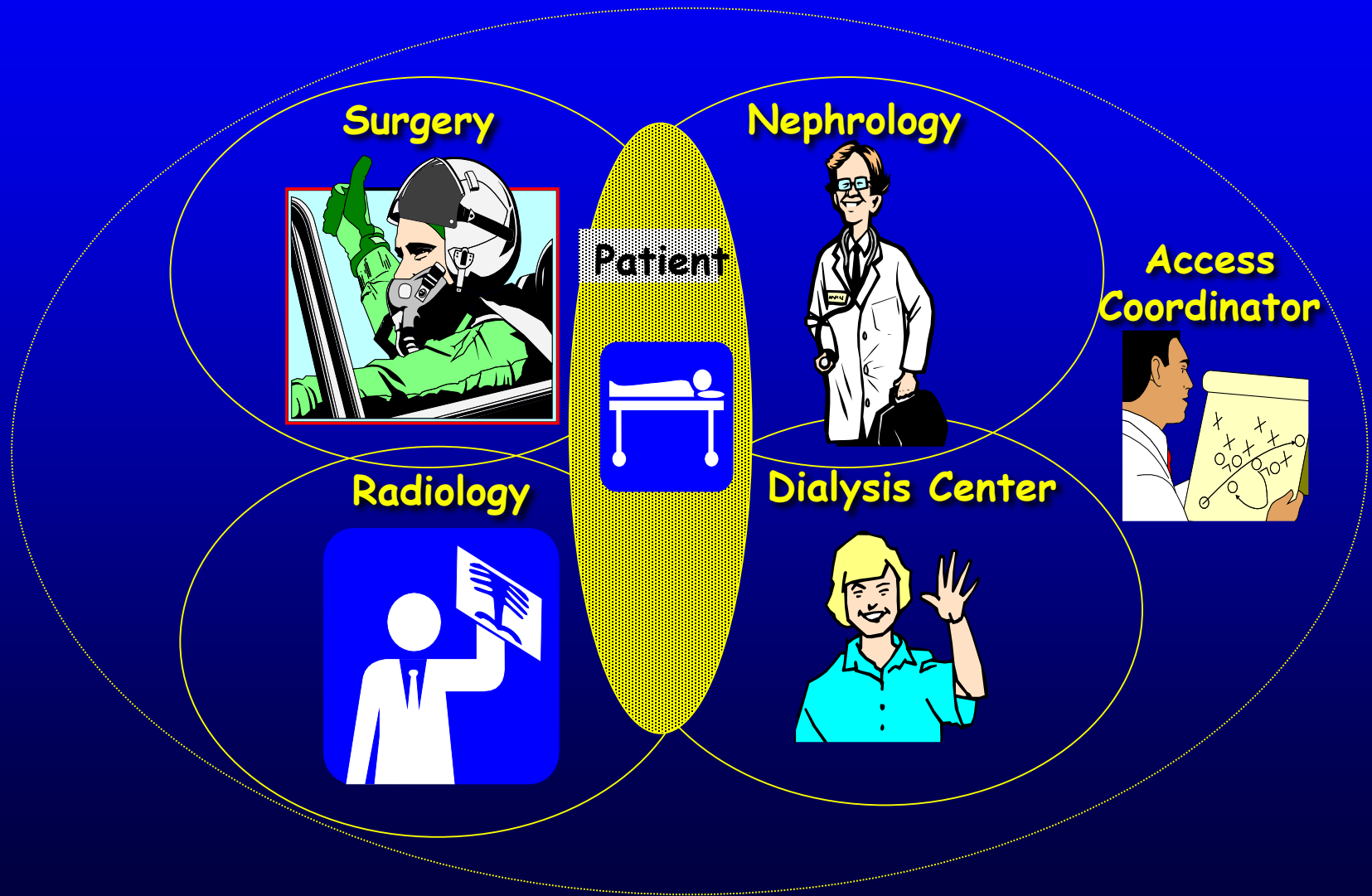
Patient



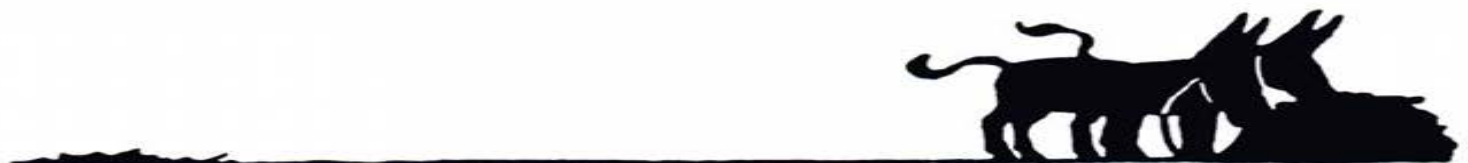
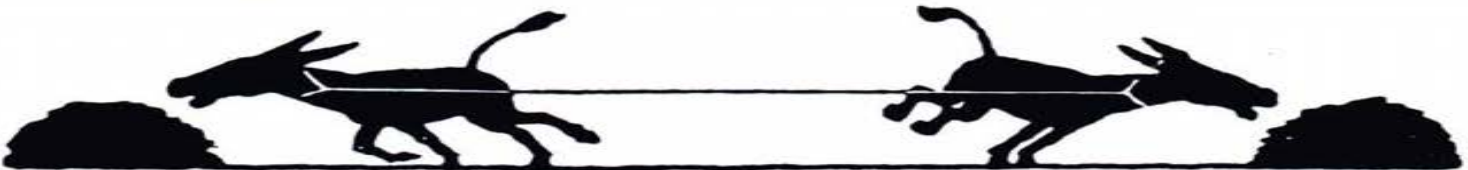
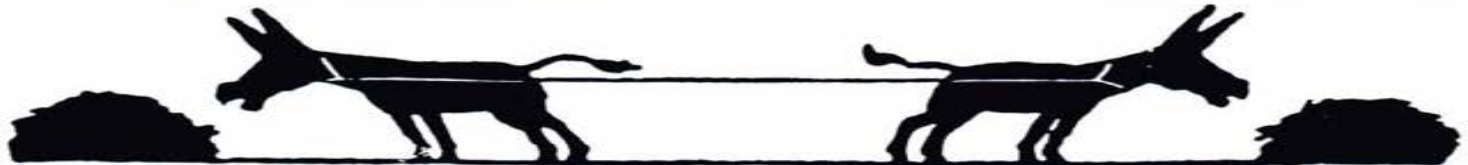
Dialysis Center



The Effective Dialysis Access Team Model “Access of Good”



Success Is



Teamwork!

Follow the data

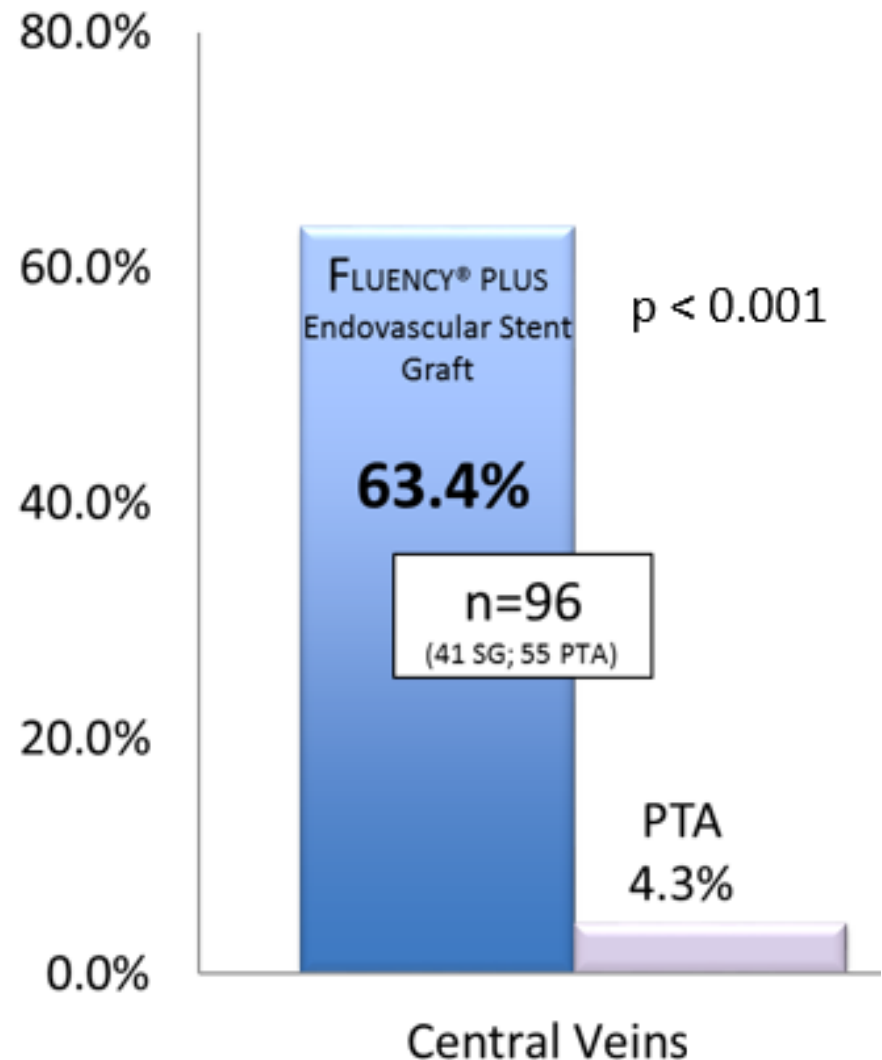
At the Society of Interventional Radiology meeting last month I was on a panel. We reviewed a case of AV access in-stent stenosis.

of

the



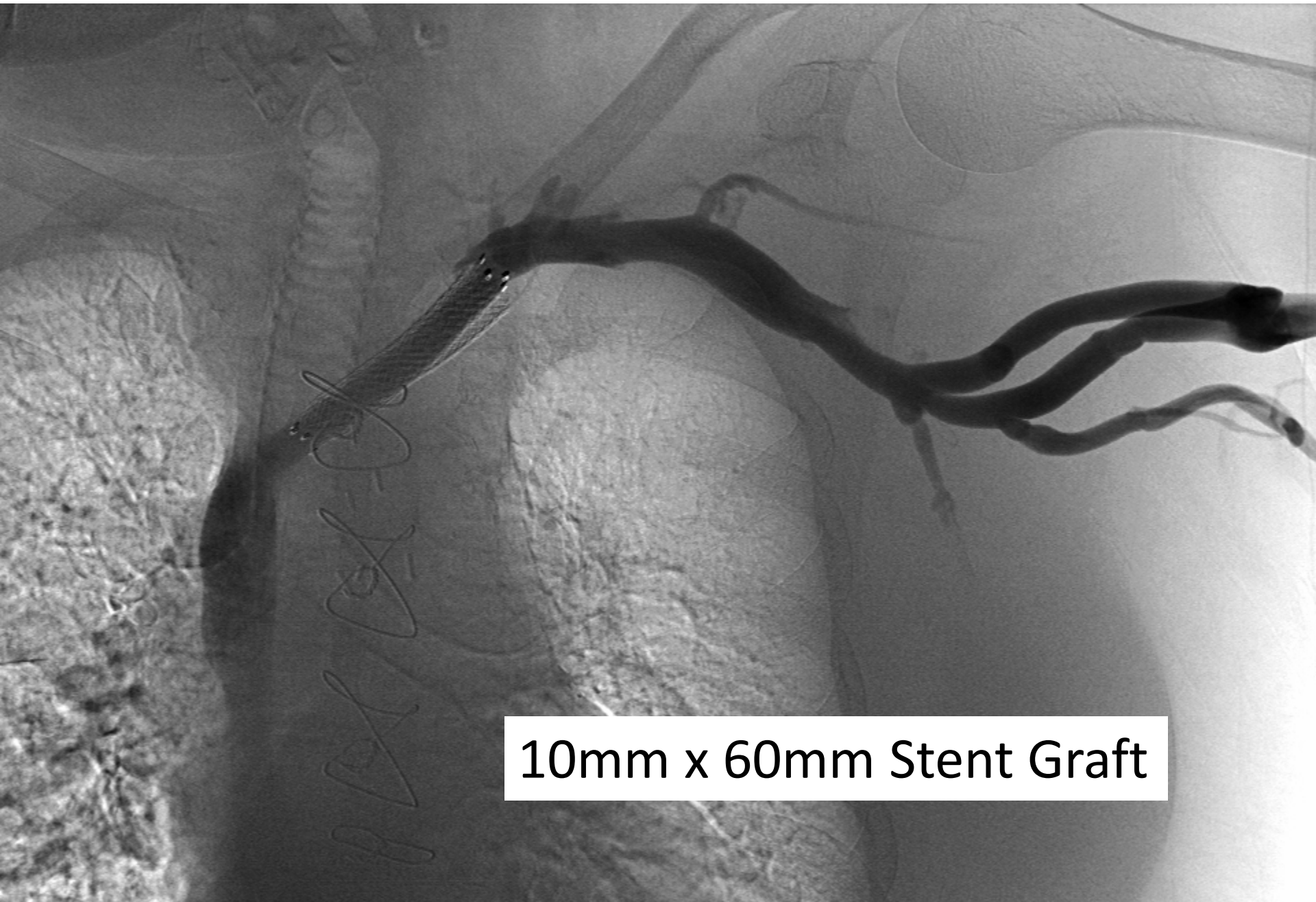
Patency after Treatment of Thoracic Central Vein In-stent Stenosis



CLINICAL STUDY

A Prospective, Randomized Study of an Expanded Polytetrafluoroethylene Stent Graft versus Balloon Angioplasty for In-Stent Restenosis in Arteriovenous Grafts and Fistulae: Two-Year Results of the RESCUE Study

Abigail Falk, MD, Ivan D. Maya, MD, and Alexander S. Yevzlin, MD, for the RESCUE Investigators



10mm x 60mm Stent Graft



6 months later

Follow the data

IR has generated pivotal dialysis access literature

Many recent Level I Clinical Trials

Make data-based decisions

The collage features several overlapping documents. At the top center is the cover of *The NEW ENGLAND JOURNAL of MEDICINE*. Below it, on the left, is a document titled "Use of the Hemodialysis Catheter" by Thomas M. Vesely, MD, with a CPG (Clinical Practice Guideline) icon and a "Check for updates" button. To the right of this is a document titled "STANDARDS OF PRACTICE" from the Society of Interventional Radiology, reporting standards for thoracic central vein obstruction, endorsed by various societies and listing a large number of authors. On the far right is a document titled "CLINICAL STUDY" describing a randomized study of an ultrafluoroethylene stent balloon angioplasty for stenosis in arteriovenous fistulae, with two-year results from the RESCUE Study, led by Alexander S. Yevzlin, MD.

The NEW ENGLAND JOURNAL of MEDICINE

Use of the Hemodialysis Catheter
Thomas M. Vesely, MD
J Vasc Interv Radiol 2005; 16: 100-105

STANDARDS OF PRACTICE
Society of Interventional Radiology
Reporting Standards for Thoracic
Central Vein Obstruction
Endorsed by the American Society of Diagnostic and Interventional Nephrology (ASDIN), British Society of Interventional Radiology (BSIR), Canadian Interventional Radiology Association (CIRA), Heart Rhythm Society (HRS), Indian Society of Vascular and Interventional Radiology (ISVIR), Vascular Access Society of the Americas (VASA), and Vascular Access Society of Britain and Ireland (VASBI)
Bart L. Dolmatch, MD, John C. Gurley, MD, Kevin M. Baskin, MD, Boris Nikolic, MD, MBA, Jeffrey H. Lawson, MD, PhD, Surendra Shenoy, MD, Theodore F. Saad, MD, Ingemar Davidson, MD, PhD, Mark O. Baerlocher, MD, Emil I. Cohen, MD, Sean R. Dariushnia, MD, Salomão Faintuch, MD, MSc, Bertrand Janne d'Othee, MD, MPH, MBA, Thomas B. Kinney, MD, MSME, Mehran Midia, MD, and James Clifton, MBA, for the Central Vein Work Group and the Technology Assessment Committee

CLINICAL STUDY
Randomized Study of an Ultrafluoroethylene Stent Balloon Angioplasty for Stenosis in Arteriovenous Fistulae: Two-Year Results of the RESCUE Study
Alexander S. Yevzlin, MD, for the RESCUE Investigators

Think about it

How would you want it done to you?

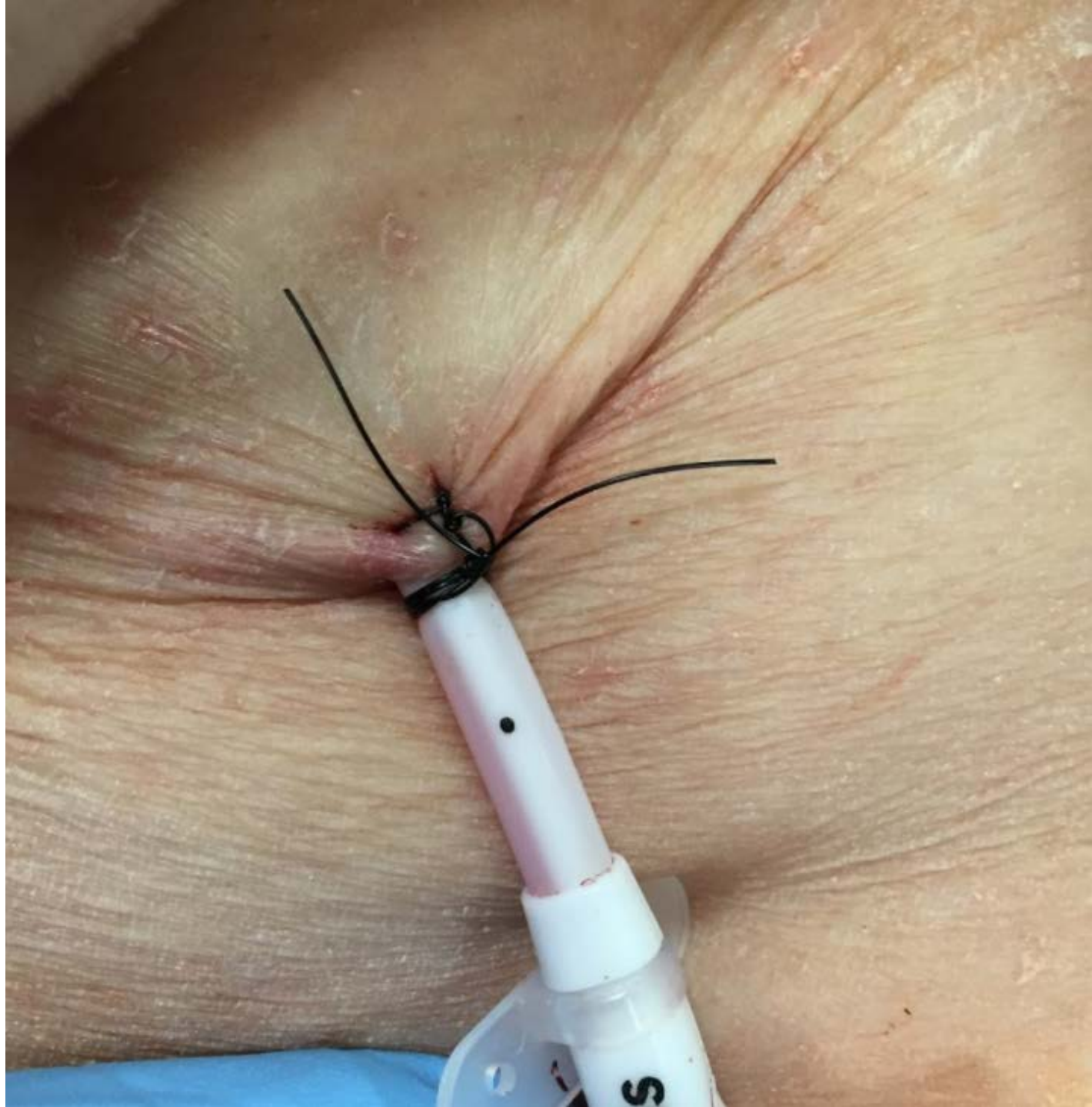


REALLY?



REALLY?

REALLY?



Safety First

New devices and techniques present good/bad
long term impact

Familiarize yourself with
all devices before using them.



Darrell suspected someone had once again
slipped him a trick spoon with the
concave side reversed.

Ditto for delivery systems.



"Blasted recoil unit!"

Think thoroughly.



Safety first.

