

FALLVORSTELLUNG ZUSAMMENARBEIT MIT ZUWEISER/IN

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SESSION I – HOW TO?



TLE COMMUNITY & FRIENDS

The future belongs to those who prepare for it today!

WISSENSCHAFTLICHE LEITUNG:

PD Dr. med. Samer Hakmi, Asklepios Klinik St. Georg
Crowne Plaza City Alster, Graumannsweg 10, 22087 Hamburg

DISCLOSURE

Within the past 12 months, I or my spouse/partner have had a financial interest/arrangement or affiliation with the organization(s) listed

Affiliation/Financial Relationship

1. Honoraria for lectures

2. Honoraria for advisory board activities

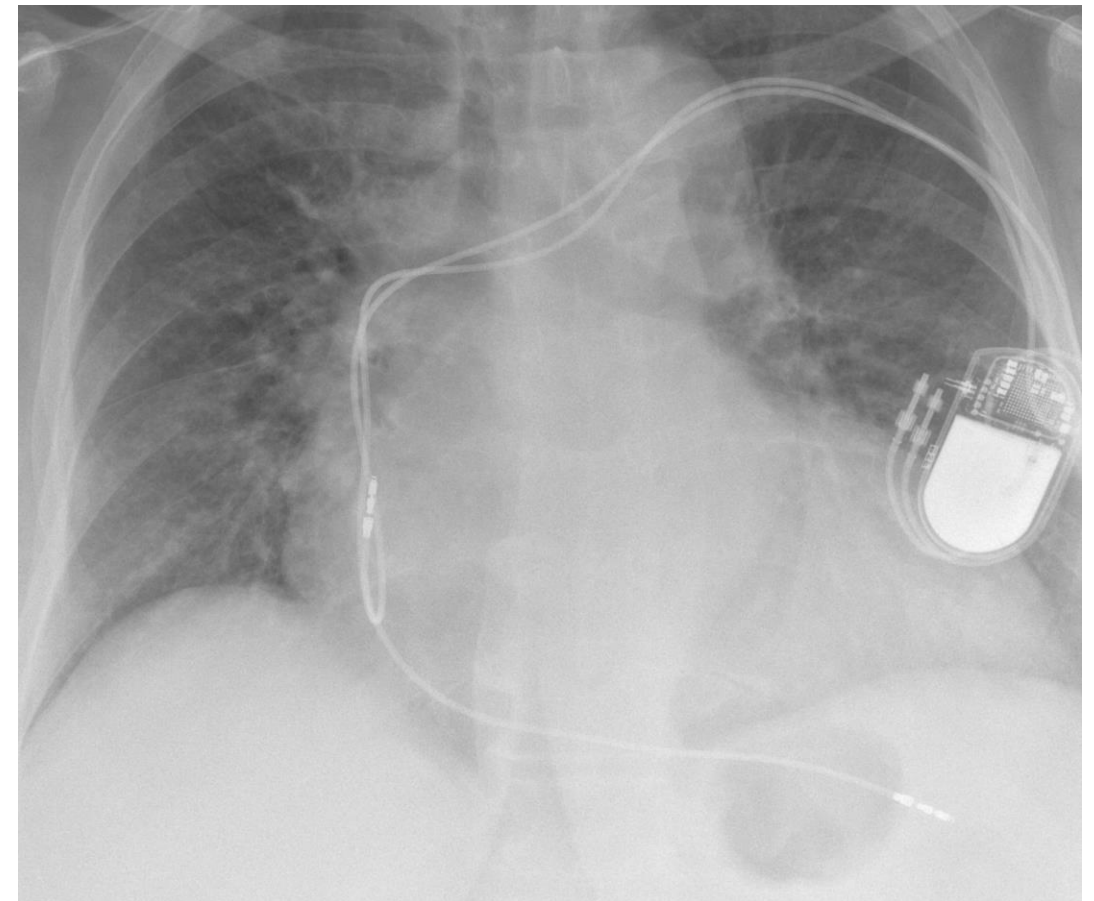
Company

Abbott, Biotronik, Boehringer Ingelheim, Daiichi,
CVRx, Philips

Abbott, Biotronik, Medtronic, Boehringer Ingelheim,
Bayer

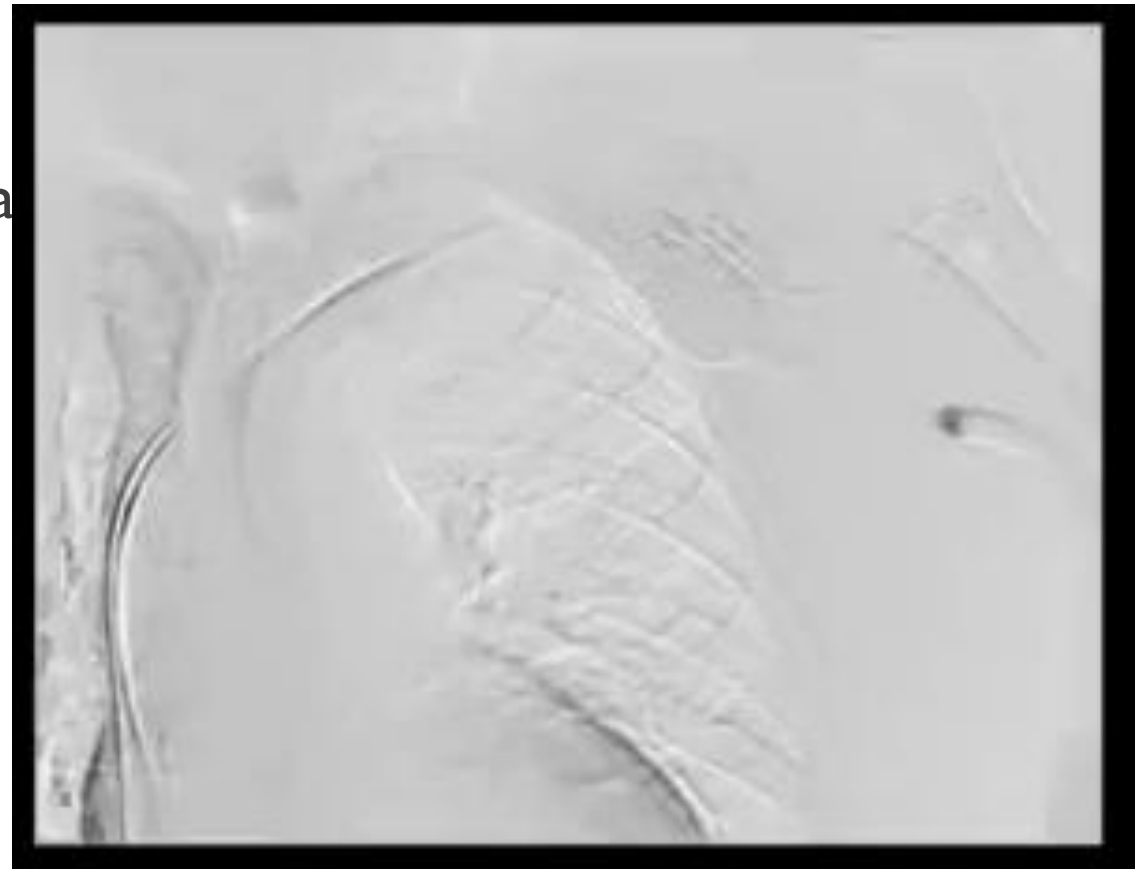
PATIENT HISTORY

- 58á, ♀
- art. Hypertonie, D.M. II
- Z.n. DDD-SM Impl. 2016 bei AVB III°
- 05/2023 Vorstellung mit VT 200/min.
- Koro: CCS, keine Stenose, LV-EF o.B.
- Indikation zum Upgrade auf DDD-ICD



DIAGNOSTICS

- **Phlebographie links:**
 - Kurzstreckiger Verschluss V.subclavia
- **Device Abfrage:**
 - Perm.AVB III° - SM abhängig



INDICATION

- Diskussion unterschiedlicher Optionen
 - Rekanalisation, Venoplastie, Implantation ipsi-lateral
 - Stilllegung der Sonden, Implantation kontra-lateral
 - Stilllegung RV-Sonde, Implantation kontra-lateral + Tunnelung nach links
 - **Extraktion RV-Sonde und Neu-Implantation ipsi-lateral via Extraktionskanal**



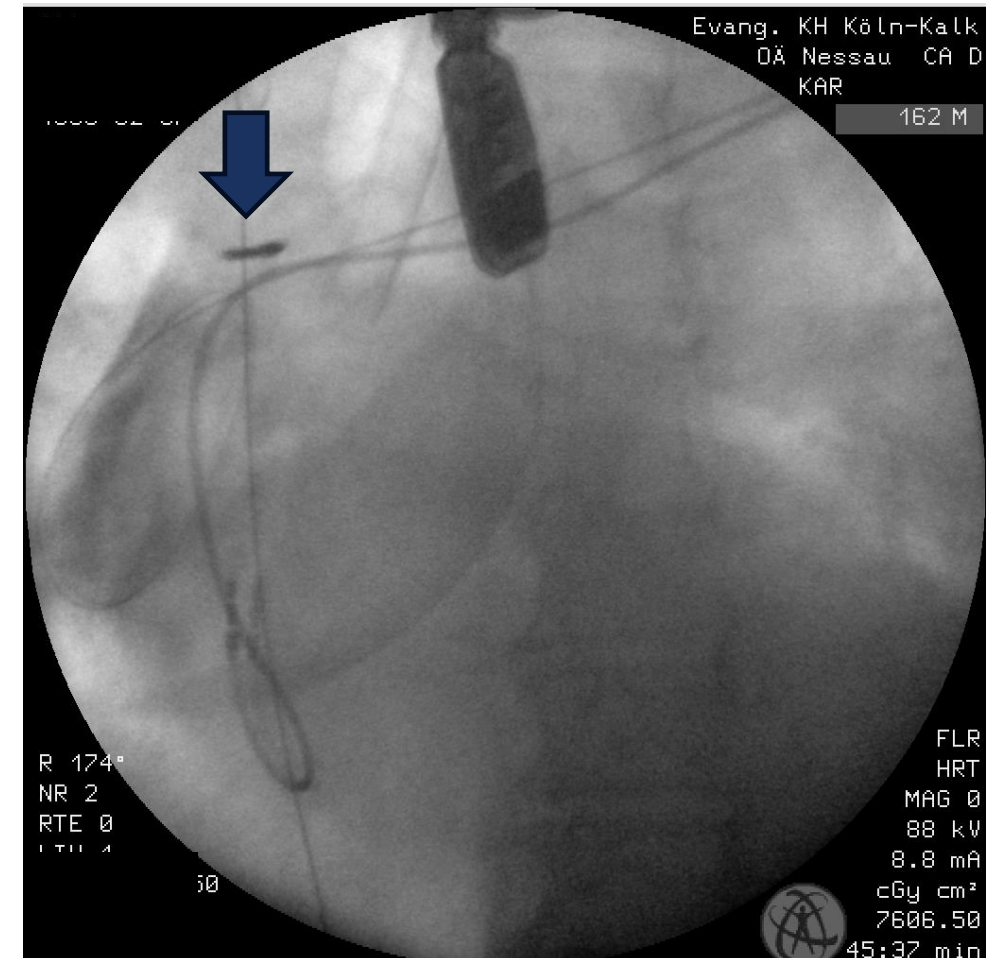
PREPARATION

- Hybrid-OP
- Anästhesie – ITN, inv.RR, ZVK
- TEE
- temp. Stimulation via V. fem.
- Drahtvorlage via V.femoralis
- Herzchirurg. Stand-By



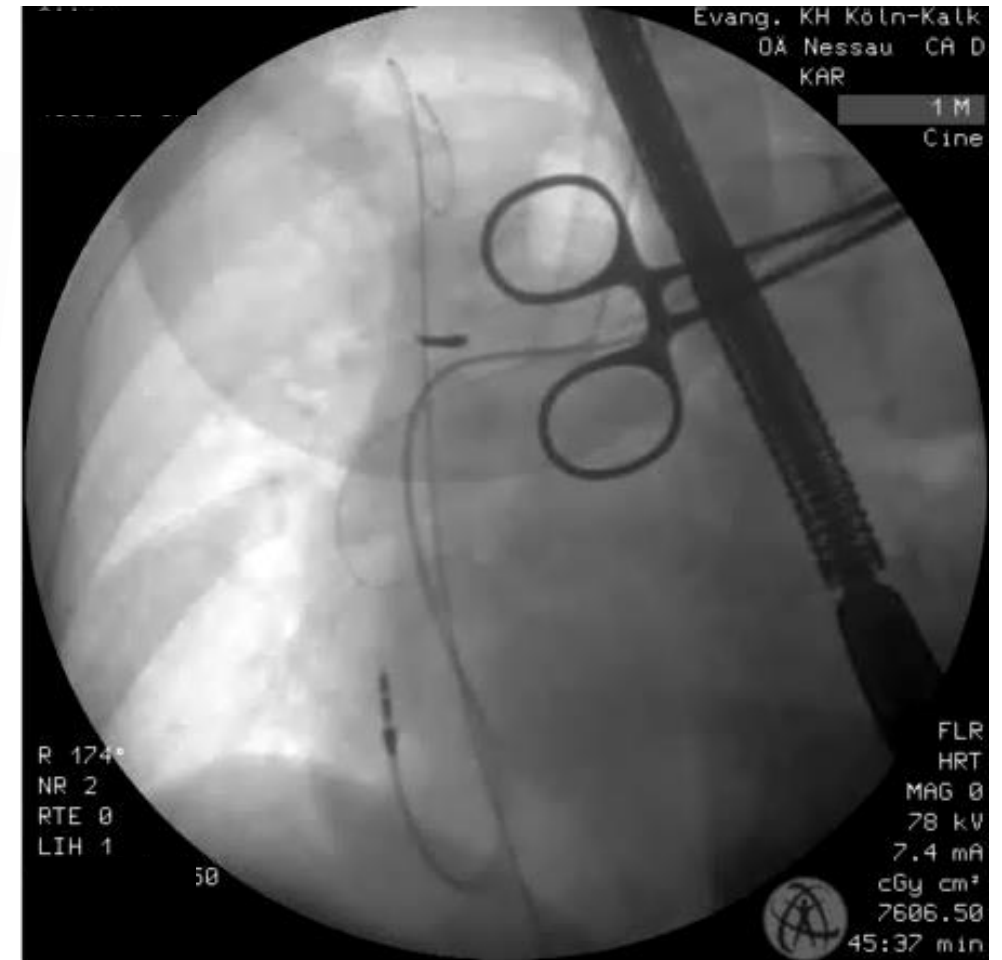
MANAGEMENT

- Passage der Verschlussstelle via TightRail I3F
- Weitere Adhäsionen im Bereich der VCI
- Während Traktion plötzliche Mobilisation der RV-Sonde
- Zugang zum RV?



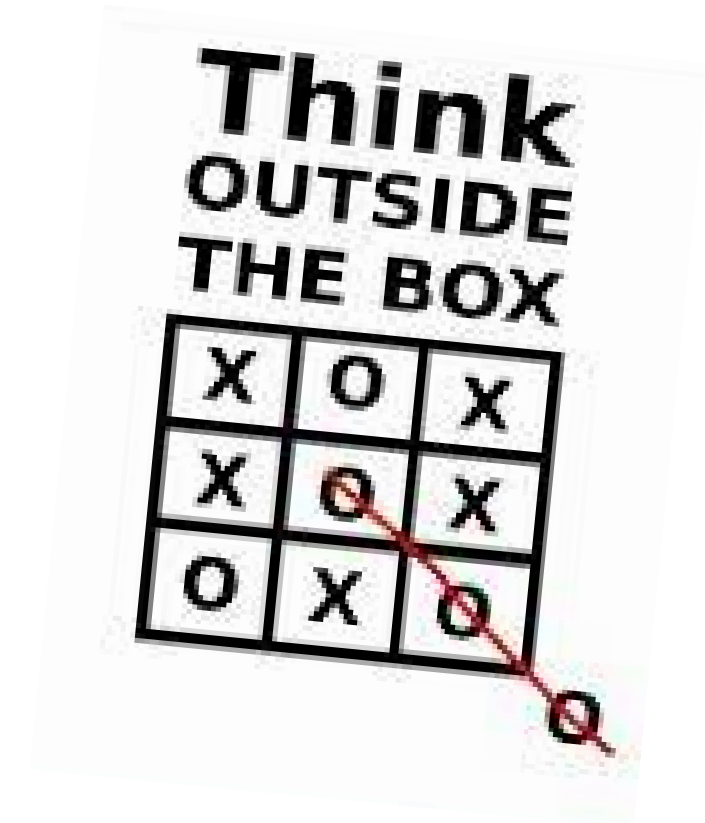
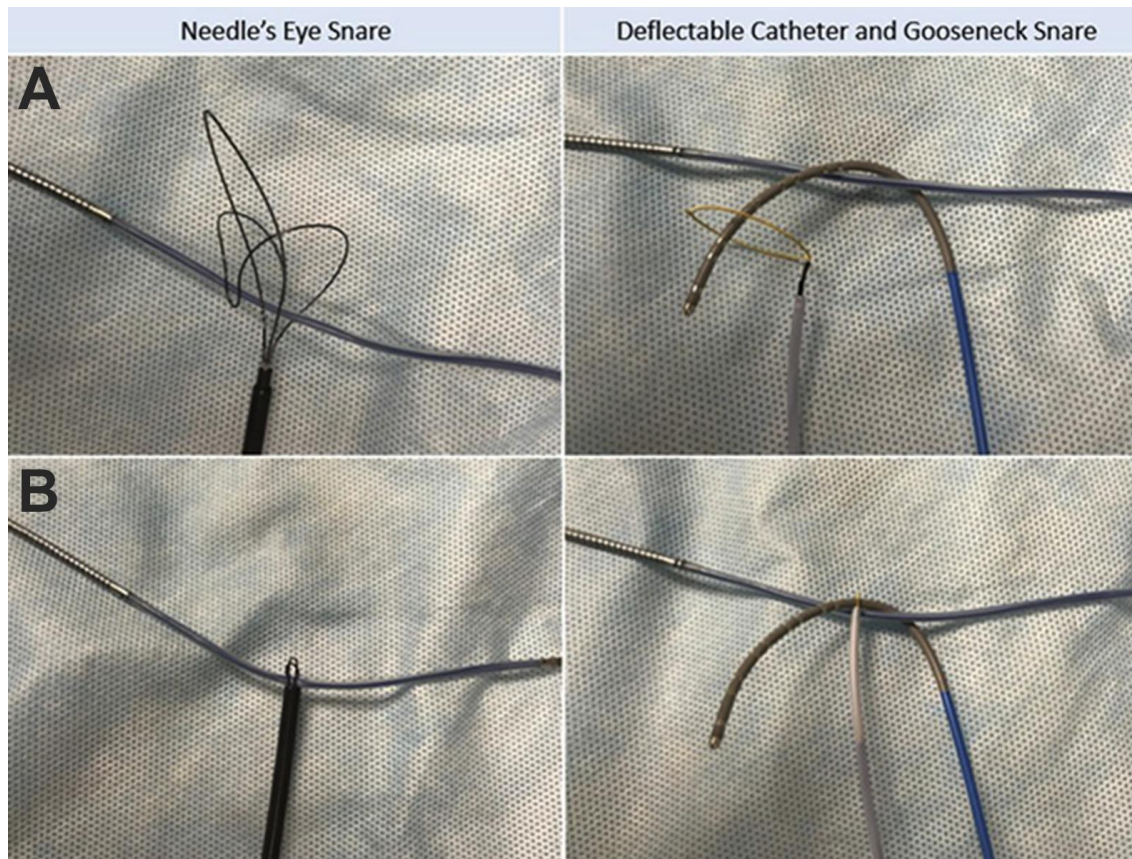
MANAGEMENT

- Drahtvorlage via TightRail frustran
- Darstellung: Dissektion
- **Strategiewechsel:**
 - Extraktion RA-Sonde
 - Kombiniertes Zugang
 - **Femoral - superior**



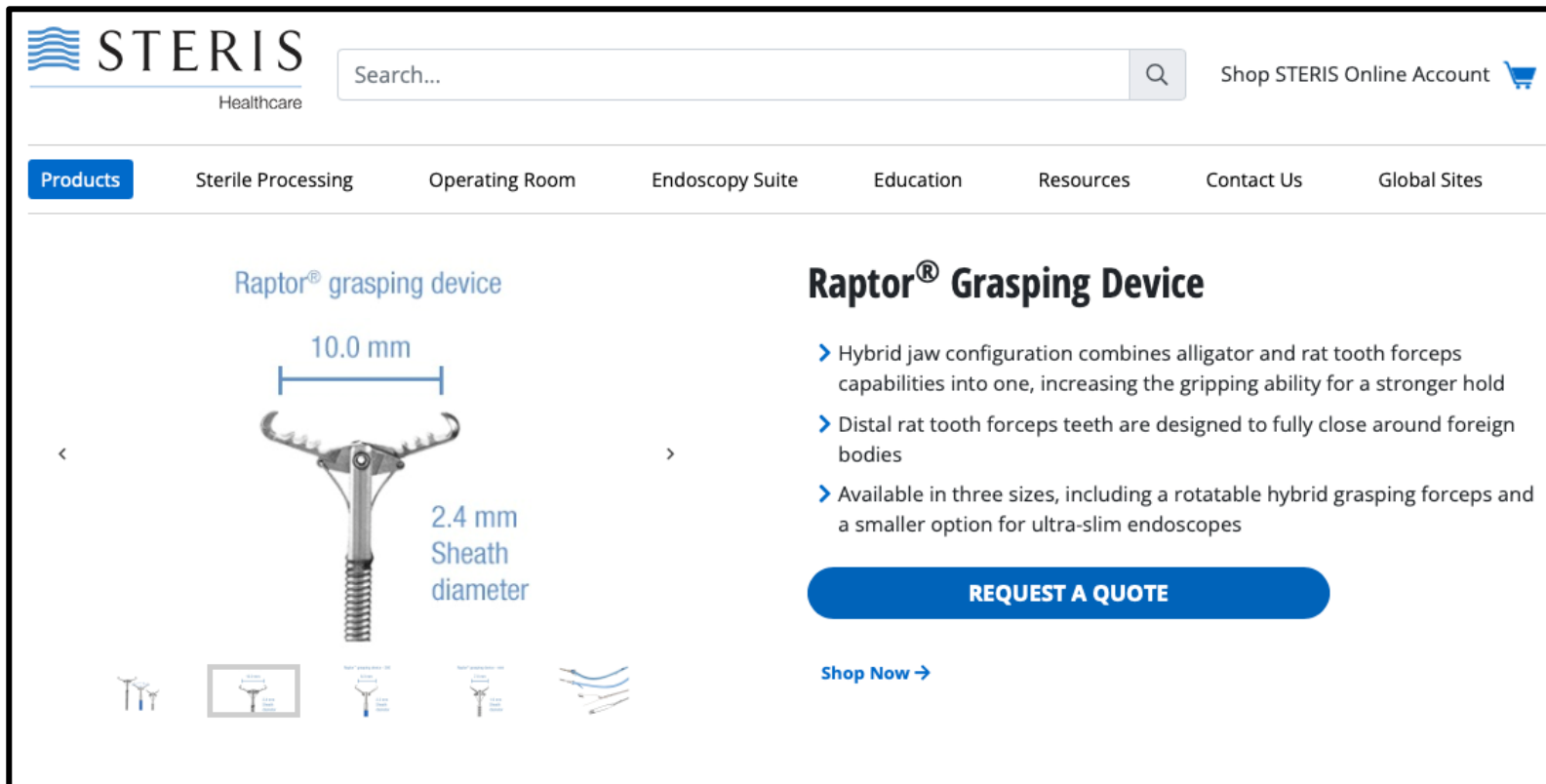
MANAGEMENT

■ Snaring Tools und Techniken



MANAGEMENT

- Einsatz einer endoskopischen Fasszange – inkl. 10F CPS® Schleuse



The screenshot displays the STERIS Healthcare website. The header includes the STERIS logo, a search bar, and a link to the 'Shop STERIS Online Account'. The navigation menu lists various categories: Products, Sterile Processing, Operating Room, Endoscopy Suite, Education, Resources, Contact Us, and Global Sites. The main content area features the 'Raptor® grasping device' with a detailed image showing its dimensions: a 10.0 mm jaw opening and a 2.4 mm sheath diameter. To the right of the image, the title 'Raptor® Grasping Device' is followed by three bullet points describing its features: a hybrid jaw configuration, distal rat tooth forceps teeth, and availability in three sizes. A blue button labeled 'REQUEST A QUOTE' is positioned below the text, and a 'Shop Now →' link is at the bottom left of the product section.

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Search...

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Raptor® grasping device

10.0 mm

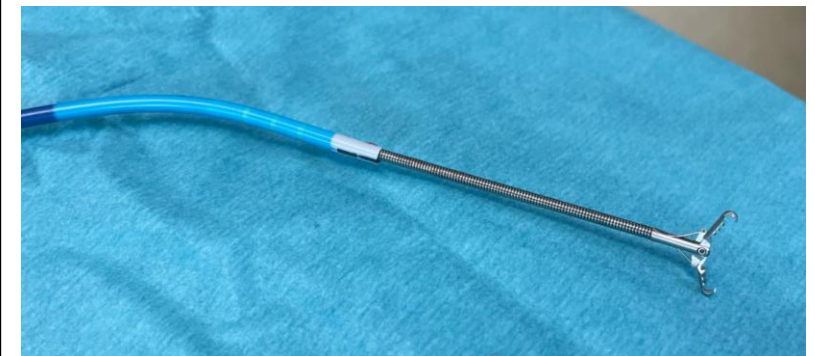
2.4 mm Sheath diameter

Raptor® Grasping Device

- Hybrid jaw configuration combines alligator and rat tooth forceps capabilities into one, increasing the gripping ability for a stronger hold
- Distal rat tooth forceps teeth are designed to fully close around foreign bodies
- Available in three sizes, including a rotatable hybrid grasping forceps and a smaller option for ultra-slim endoscopes

REQUEST A QUOTE

Shop Now →



MANAGEMENT

■ Einsatz einer endoskopischen Fasszange – Literatur

The Journal of Innovations in Cardiac Rhythm Management, 3 (2012), 682–687

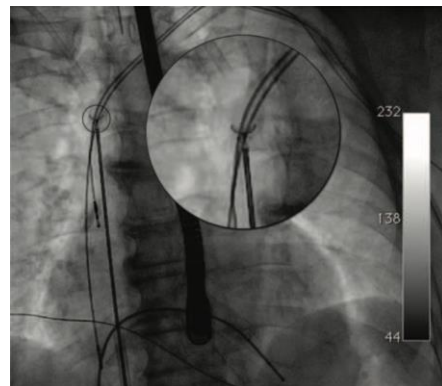
DOI: 10.19102/icrm.2012.030304

INNOVATIVE TECHNIQUES

REVIEW ARTICLE

Femoral Lead Extraction: An Underappreciated and Underutilized Approach to Lead Removal

¹AVI FISCHER, MD, ²VICTOR PRETORIUS, MBChB and ²ULRIKA BIRGERSDOTTER-GREEN, MD

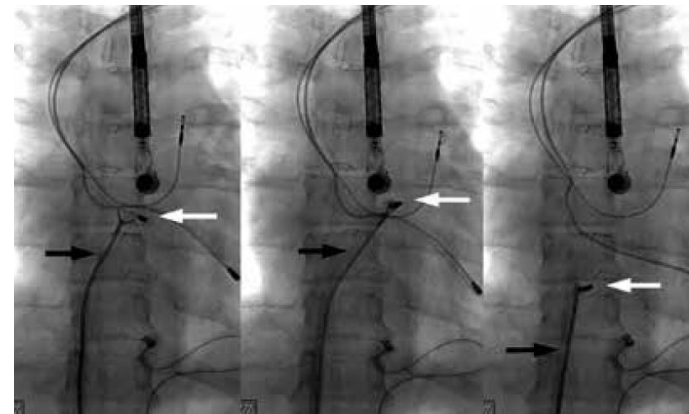


Letter to the Editor

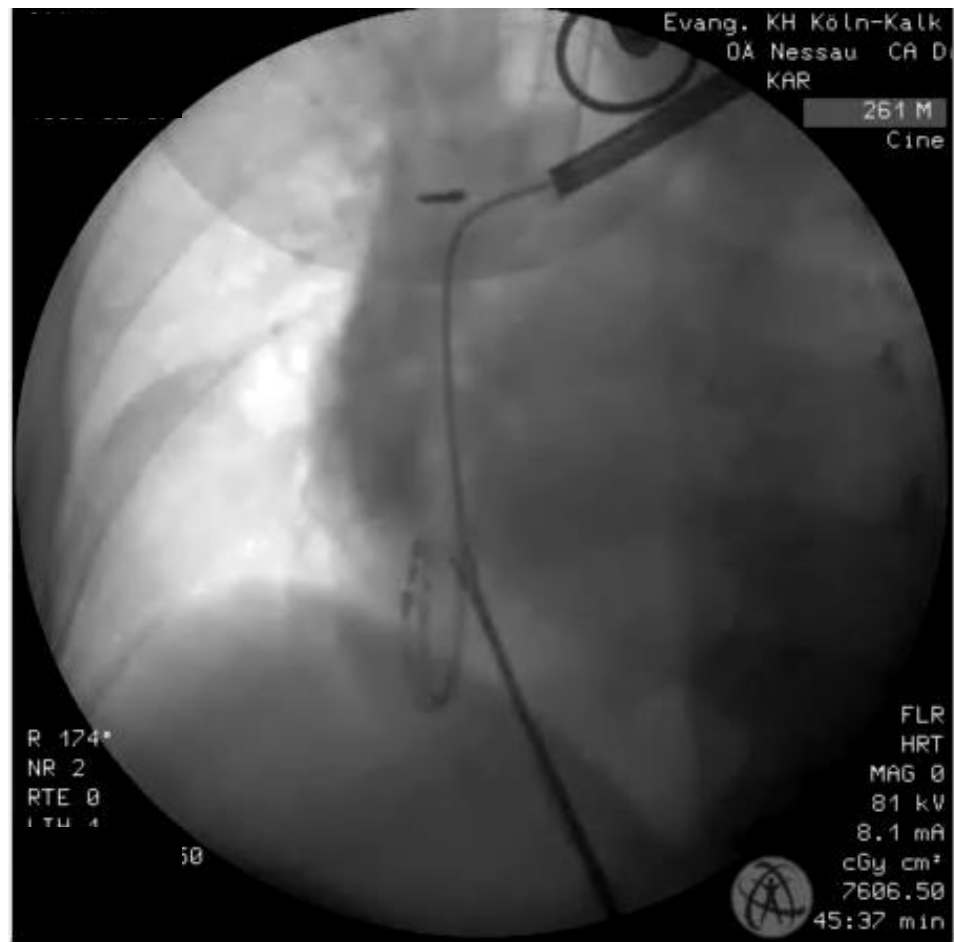
Use of an endoscopic biopptome for extraction of a retained pacemaker lead tip

Arch Med Sci 2014; 10, 4: 853–854
DOI: 10.5114/aoms.2014.44962

Sang Yong Ji, John Catanzaro, Jane E. Crosson, Jeffrey Brinker, Alan Cheng



MANAGEMENT



MANAGEMENT

Finally...



OUTCOME

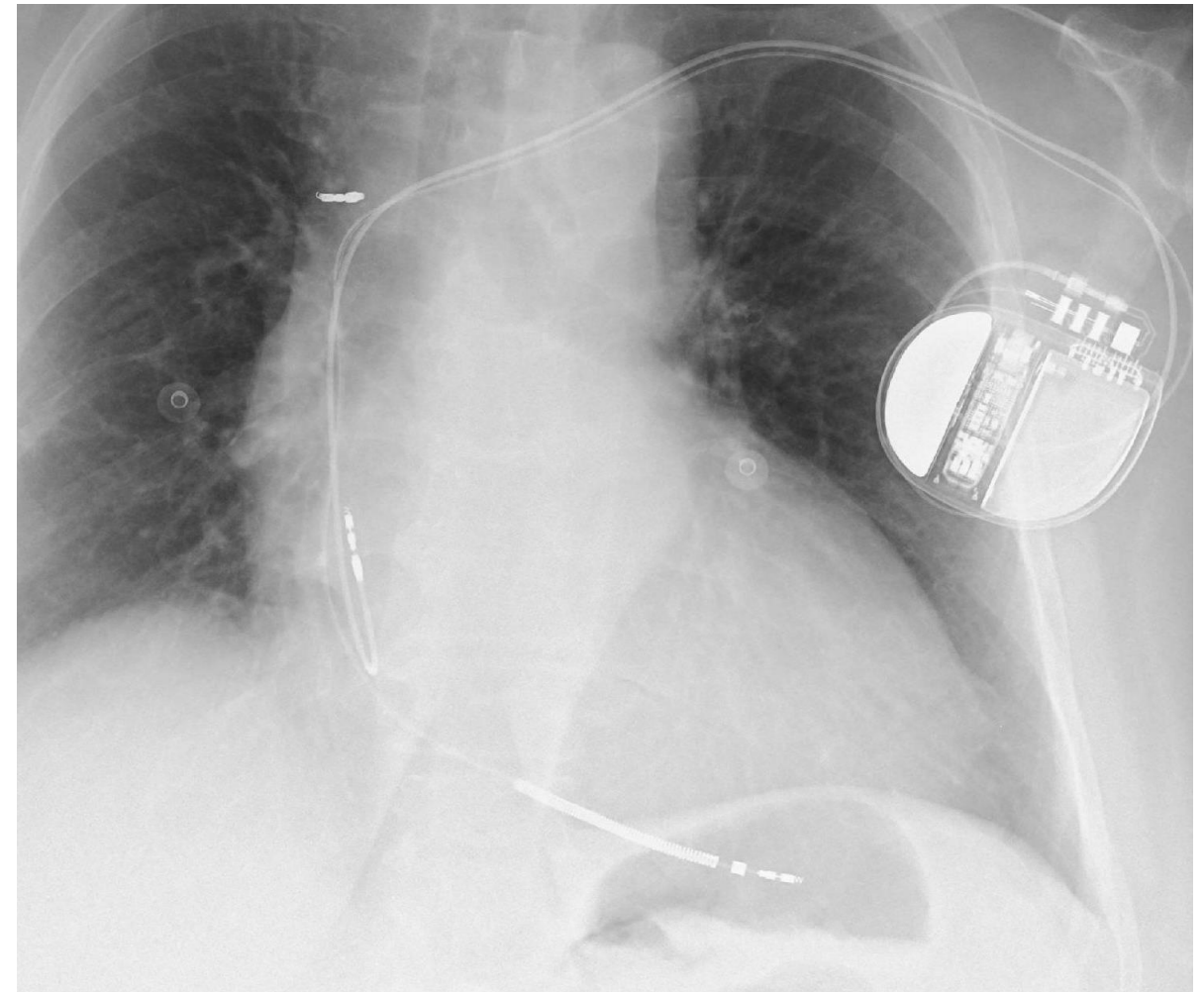
- Extraktion beider Sonden
- Implantation DDD-ICD

A CASE FOR EDUCATION

Femoral-superior lead extraction complicated by venous dissection in chronic venous occlusion: How the alligator saved the day

Frank Eberhardt, MD,^{*} Markus Kirch, MD,^{*} Ehssan Berenjkoub, MD,[†]
Anna Bonnert, MD,[‡] Juergen Frey, MD,[§] Dieter Bimmel, MD,^{||}
for the Köln Bonn cooperative lead extraction center

Heart Rhythm Case Reports, Vol 9, No 9, September 2023



TAKE-HOME MESSAGE

- Kombiniertes femoral-superiores Zugang reduziert Gefahr von Verletzungen der V.cava
- Hilfreich zur Sicherstellung Zugang zu RA / RV
- Kombination aus endoskop. Faszange + CS-Katheter mögliche Alternative zu etablierten Tools zur Traktion

Simultaneous lead traction from above and below: A novel technique to reduce the risk of superior vena cava injury during transvenous lead extraction

Robert D. Schaller, DO, FHRS,^{*} Mouhannad M. Sadek, MD, FHRS,[†]
Joshua M. Cooper, MD, FHRS[‡]

Heart Rhythm 2018;15:1655–1663

Benefits of routine prophylactic femoral access during transvenous lead extraction

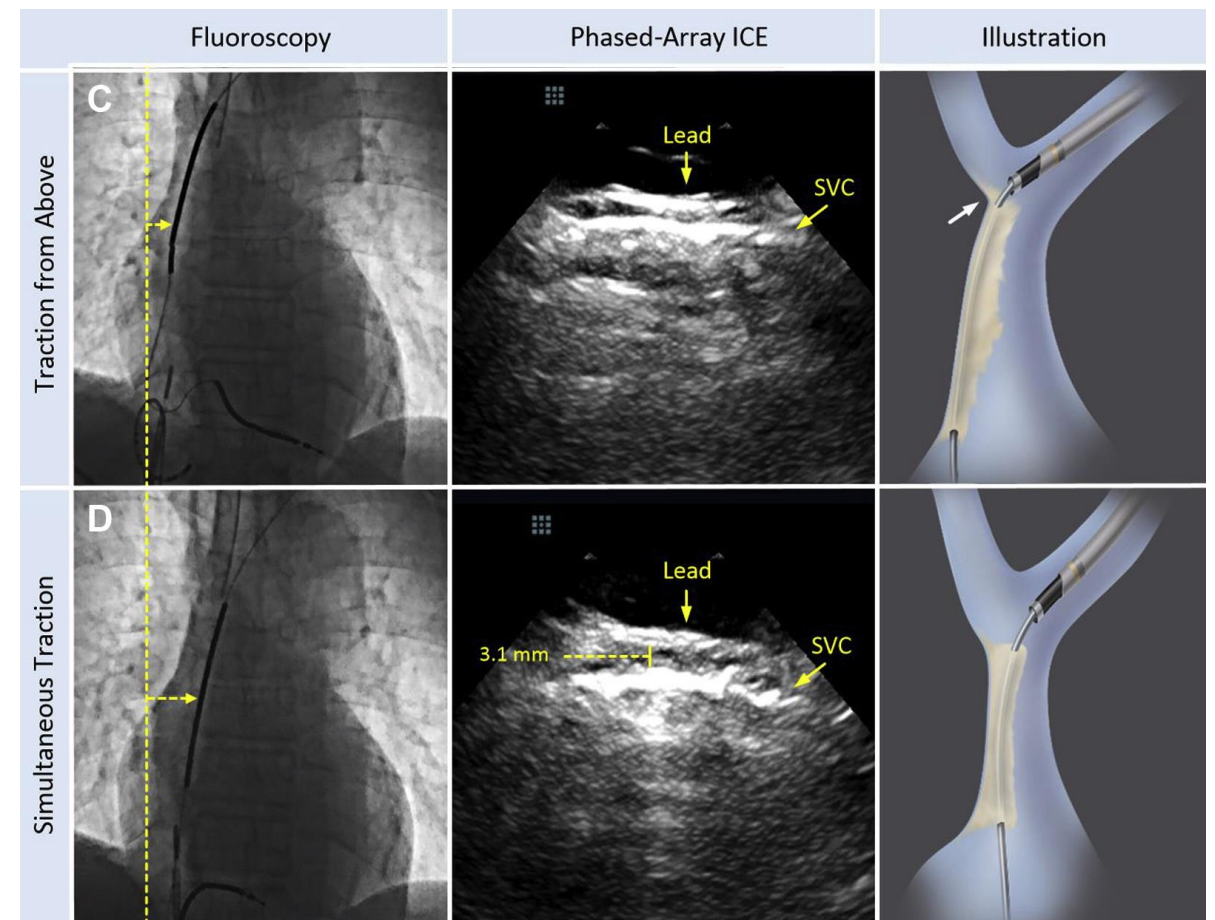
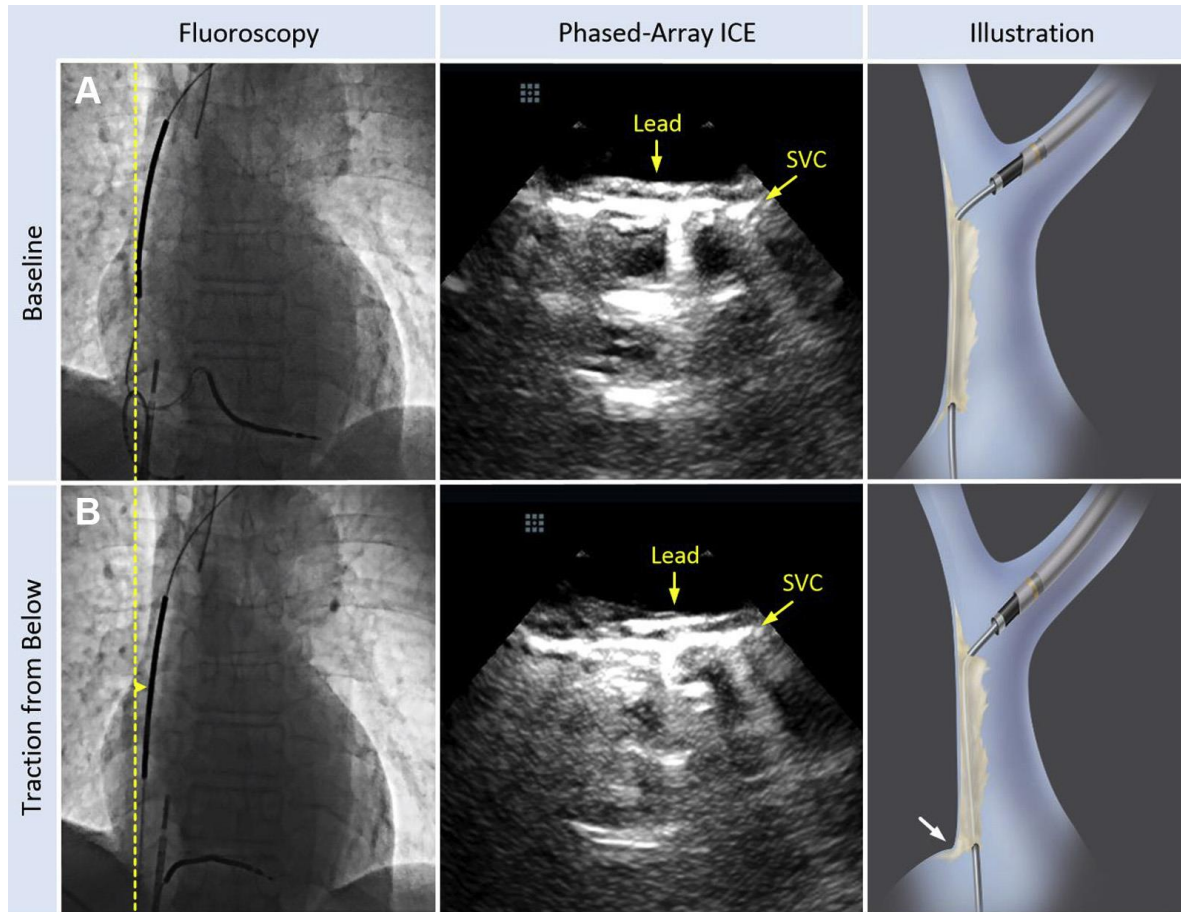
Da-Un Chung, MD,^{*1} Lisa Müller, BSc,^{†1} Timm Ubben, MD,^{*} Yalin Yildirim, MD,[†]
Johannes Petersen, MD,[†] Christoph Sinning, MD,[‡] Liesa Castro, MD,[§]
Till Joscha Demal, MD,[†] Lukas Kaiser, MD,^{*} Nils Gosau, MD,^{*}
Hermann Reichenspurner, MD, PhD,[†] Stephan Willems, MD,^{*} Simon Pecha, MD,^{†1}
Samer Hakmi, MD^{*1}

Heart Rhythm 2021;18:970–976

VIELEN DANK FÜR IHRE AUFMERKSAMKEIT

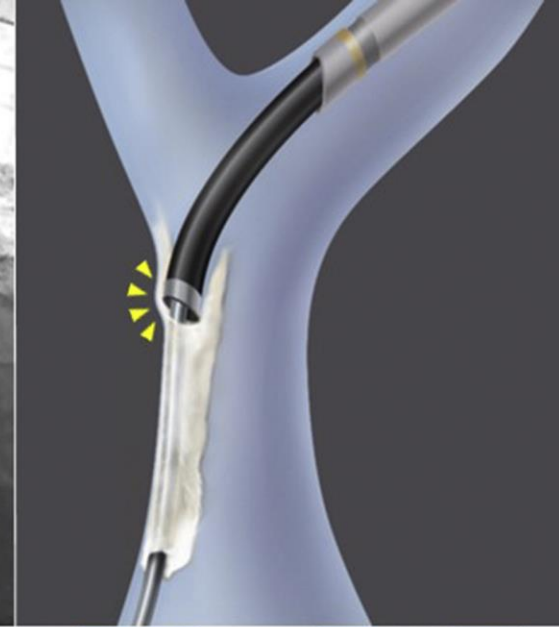
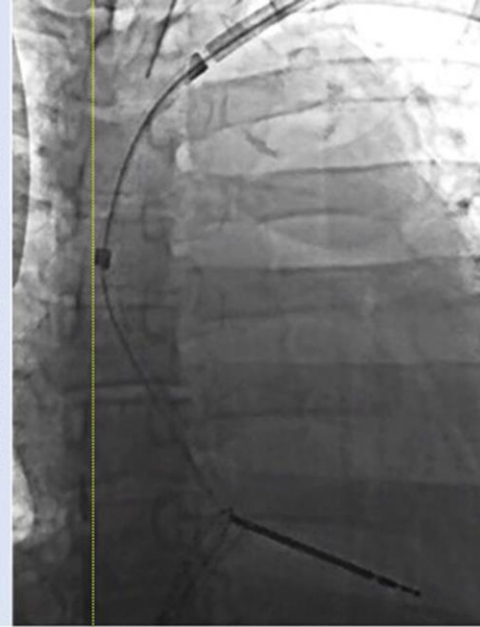


FEMORAL-SUPERIOR



FEMORAL-SUPERIOR

Traction from Above



Simultaneous Traction

