

Gesundheit
kommt von Herzen.



Ultraschall-gezielte Schmerztherapie: Vom Exoten zum Mainstream



Manfred Greher



Easter morning 1900: 5th Ave, New York City. Spot the automobile.



Source: US National Archives.

**Easter morning 1913: 5th Ave, New York City.
Spot the horse.**



Source: George Grantham Bain Collection.



ultrasound guided pain interventions

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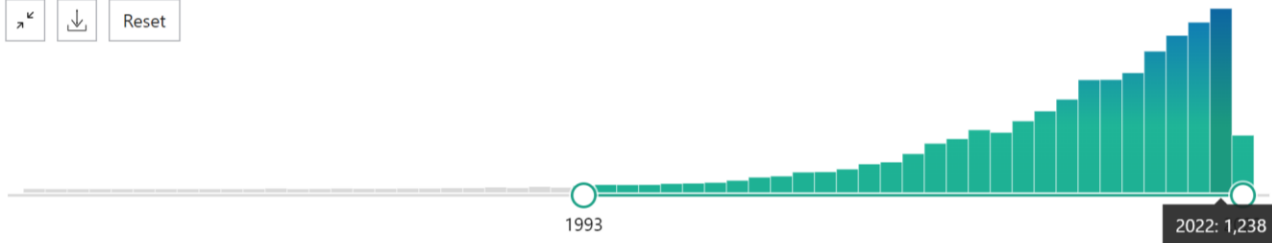
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ARTICLE ATTRIBUTE

- Associated data

Ultrasound-Guided Nerve Blocks in the Head and Neck for Chronic **Pain** Management: The Anatomy, Sonoanatomy, and Procedure.

Cite Li J, Szabova A.
Pain Physician. 2021 Dec;24(8):533-548.
Share PMID: 34793642 **Free article.** Review.

BACKGROUND: **Ultrasound guided** nerve blocks have become a popular tool in the armamentarium for **pain** physicians because of its advantages over fluoroscopy by offering portable, radiation-free and real-time **imaging**. But **ultrasound guided** pr ...

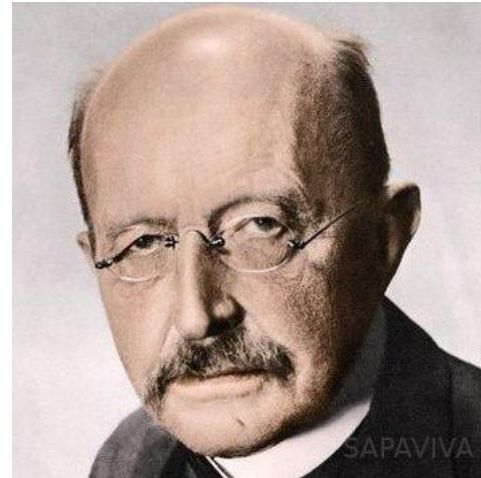
Ultrasound-guided interventional procedures around the shoulder.

2 Messina C, Banfi G, Orlandi D, Lacelli F, Serafini G, Mauri G, Secchi F, Silvestri E, Sconfienza LM.



Max Planck, Begründer der Quantenmechanik (1858-1947):

„Eine neue wissenschaftliche Wahrheit pflegt sich nicht in der Weise durchzusetzen, dass ihre Gegner überzeugt werden und sich als bekehrt erklären, sondern vielmehr dadurch, dass ihre Gegner allmählich aussterben und dass die heranwachsende Generation von vornherein mit der Wahrheit vertraut gemacht ist.“



Source: Sapaviva


Table 1 (Continued).

(B) Techniques						
#	Topic	Patent		Search Timespan	Search Terms	Additional MeSH Headings ^b
		Year ^a	Inventors			
1	Ultrasound-guided peripheral nerve block	-	-	1977–1995	“Ultrasound-guided AND Nerve Block NOT Biopsy”	Anesthesia, Humans
2	Capnography in anesthesia	-	-	1982–1989	“Capnography OR Capnometry OR End-tidal PCO2”	Anesthesia, Humans
3	Target-controlled intravenous anesthesia	-	-	1982–1993	“Target-controlled intravenous anesthesia OR Target-controlled infusion”	Anesthesia, Humans
4	Pulse oximetry in anesthesia	1979	Aoyagi T, Kobayashi N, Sasaki T	1982–1989	“Pulse oximetry”	Anesthesia, Humans
5	Total intravenous anesthesia	-	-	1985–1997	“Total intravenous anesthesia OR TIVA”	Anesthesia, Humans
6	Transesophageal echocardiography in anesthesia	-	-	1986–1996	“Transesophageal echocardiography OR TEE”	Anesthesia, Humans
7	Combined spinal-epidural anesthesia	-	-	1982–1989	“Combined spinal- epidural OR Combined subarachnoid and epidural”	Anesthesia, Humans
8	Bispectral index			1994–2000	“Bispectral index OR BIS”	Anesthesia, Humans
9	Transversus abdominis plane block			2005–2008	“Transversus abdominis plane block”	Anesthesia, Humans

Notes: ^aYear of worldwide patent application (Google Patent); ^bMeSH (Medical Subject Headings) vocabulary of Medline database.

High-Impact Clinical Studies That Fomented New Developments in Anesthesia: History of Achievements, 1966–2015



Anesthesiology 2003; 99:250-1

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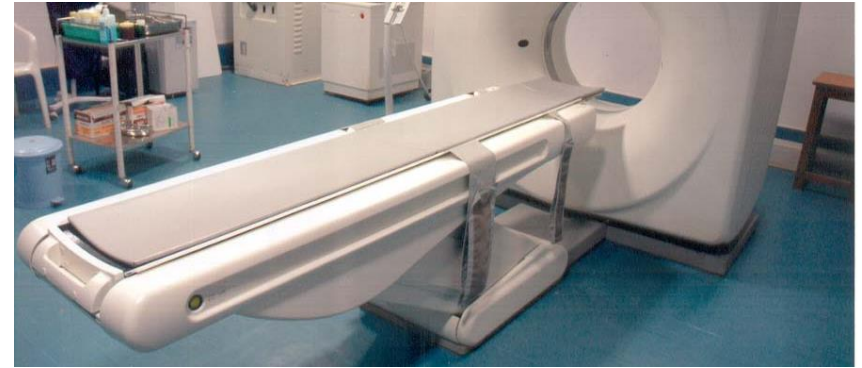
Is Regional Anesthesia Simply an Exercise in Applied Sonoanatomy?

Aiming at Higher Frequencies of Ultrasonographic Imaging

Manfred Greher, M.D.* **Stephan Kapral, M.D.** *University of Vienna, Vienna General Hospital, Vienna, Austria.
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Interventionelle Schmerztherapie 2000



- Blinde Infiltration (orthopädisch)
- Durchleuchtung
- CT
- (MRT)



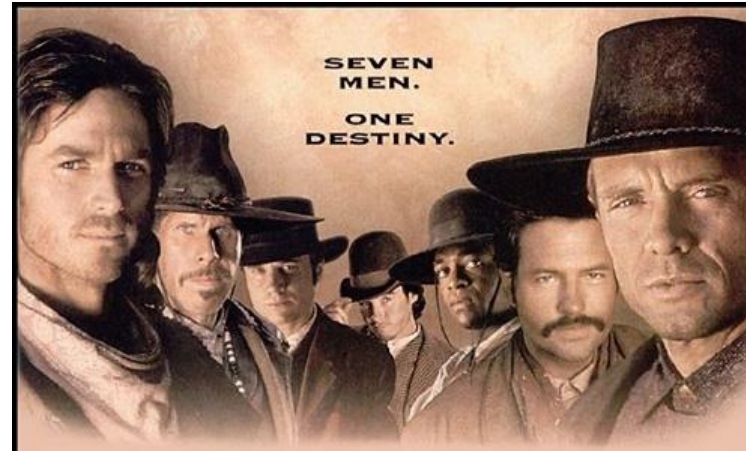
Kassenpatient bekommt
zeitnahen MRT Termin.



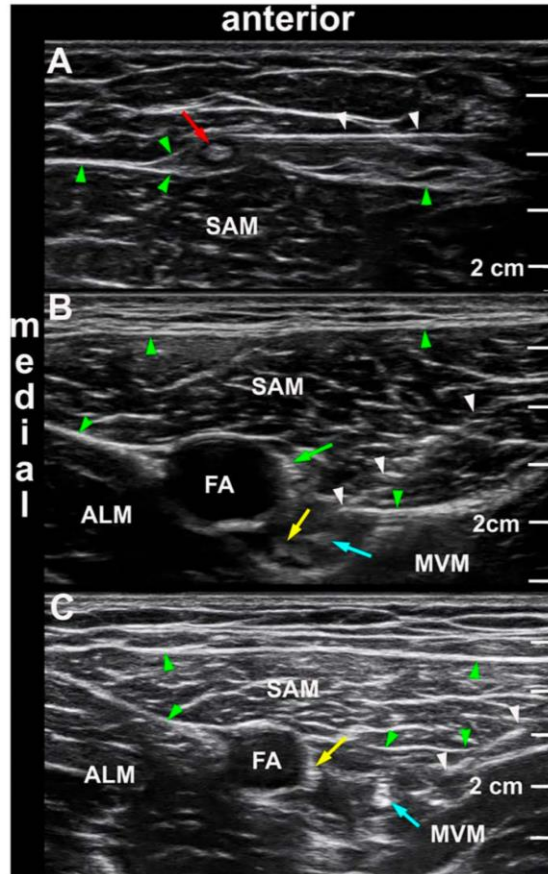


- „Die 10 glorreichen Sieben“:

- Vincent Chan
- Peter Cheng
- Urs Eichenberger
- Michael Gofeld
- Manfred Greher
- Bernhard Moriggl
- Samer Narouze
- Barry Nichols
- Philip Peng
- Hariharan Shankar

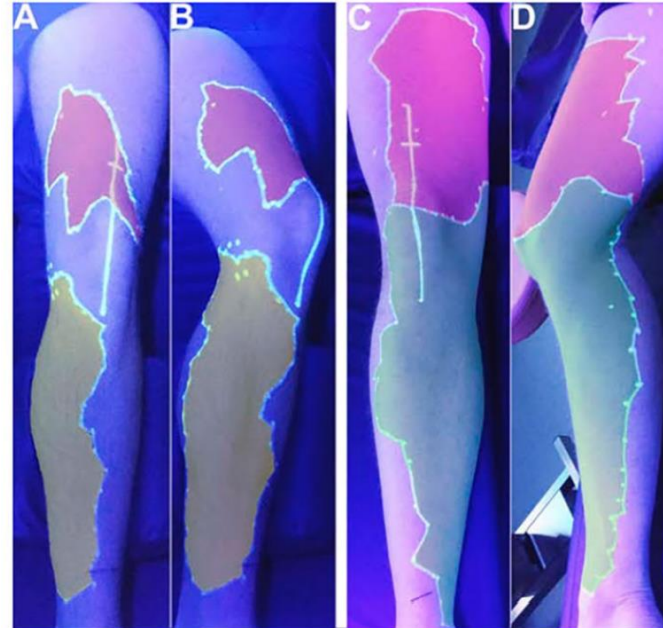


With Ultrasound against Pain

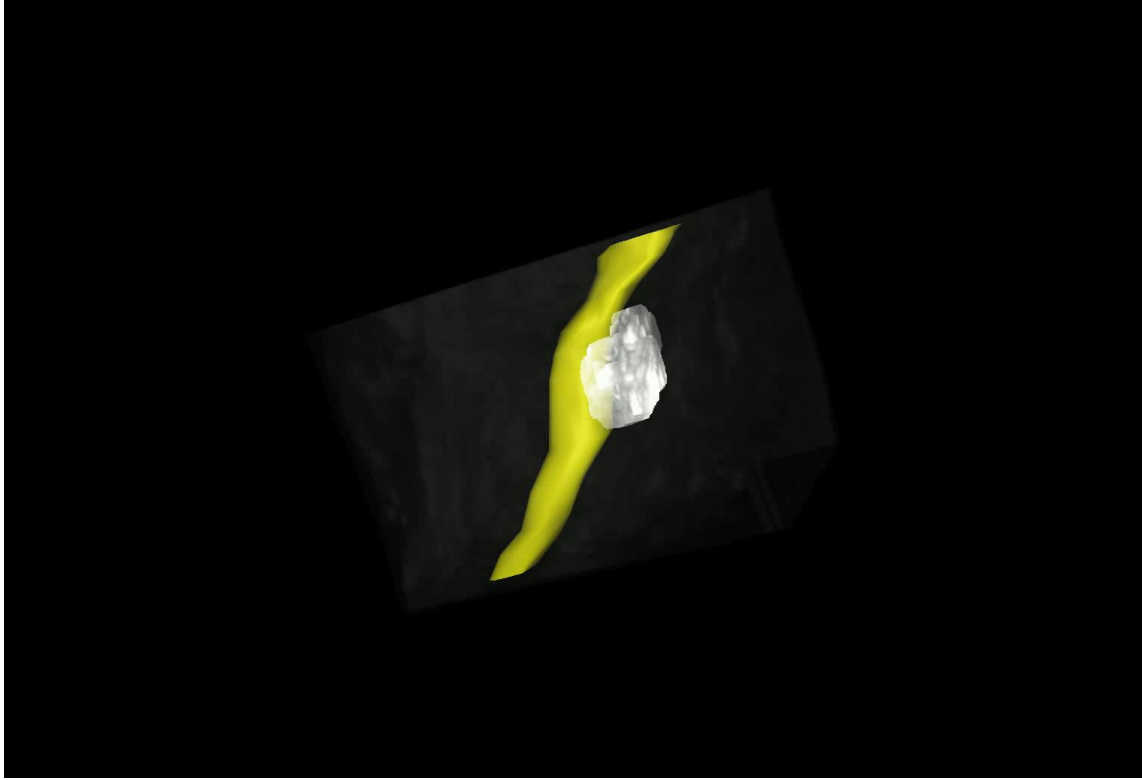


Anesthesia of the anterior femoral cutaneous nerves for total knee arthroplasty incision: randomized volunteer trial

Siska Bjørn,¹ Thomas Dahl Nielsen,² Bernhard Moriggl,³ Romed Hoermann,³ Thomas Fichtner Bendtsen²









Herz-Jesu
Krankenhaus Wien



1. Symposium des Herz- Jesu Kompetenzzentrums für
Ultraschall-gezielte Nervenblockaden:
2. Februar 2008
manfred.greher@kh-herzjesu.at



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Herz-Jesu Krankennhaus
Baumgasse 20A, 1030 Wien

SAVE THE DATE: 14.Oktober 2023

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