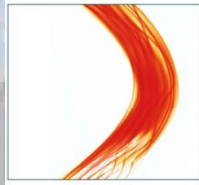




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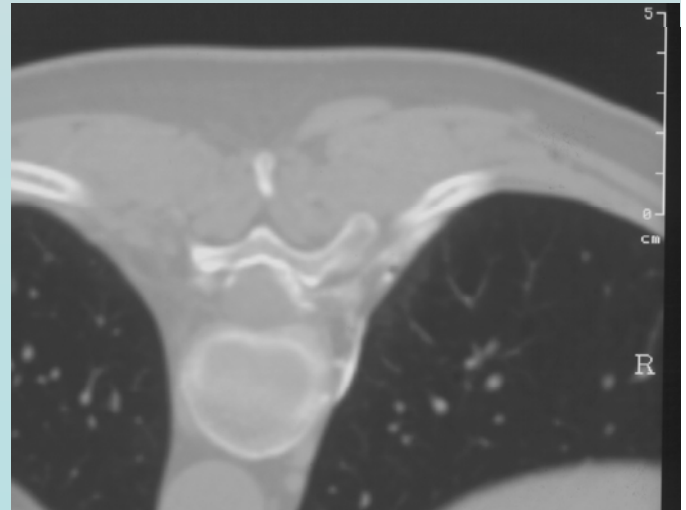
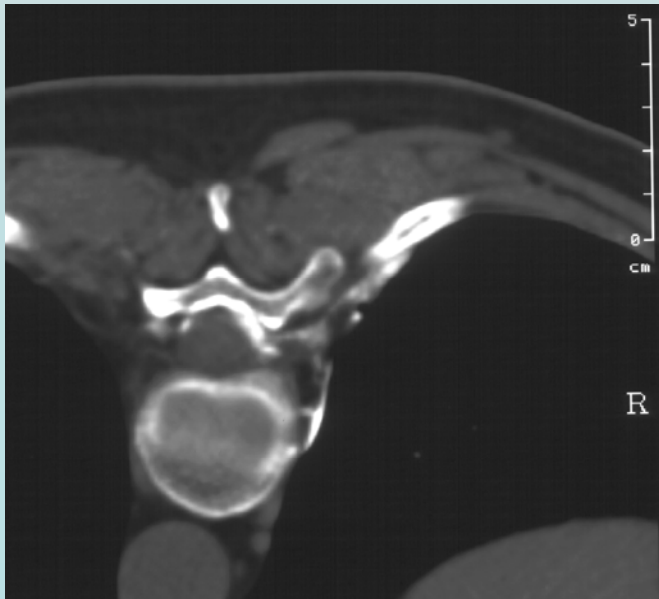
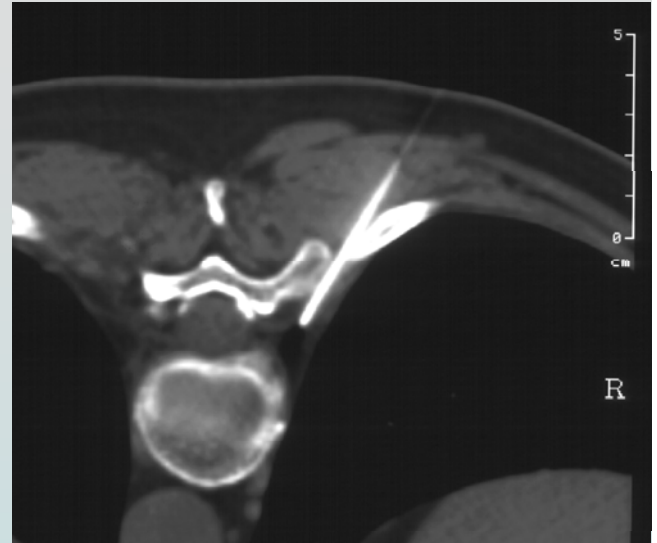
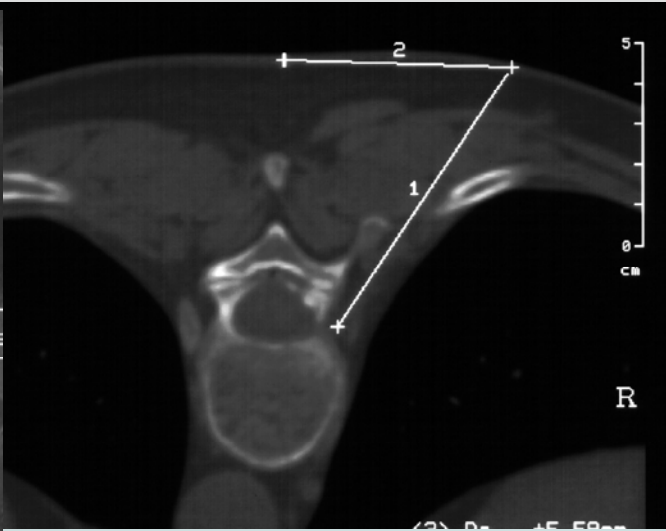
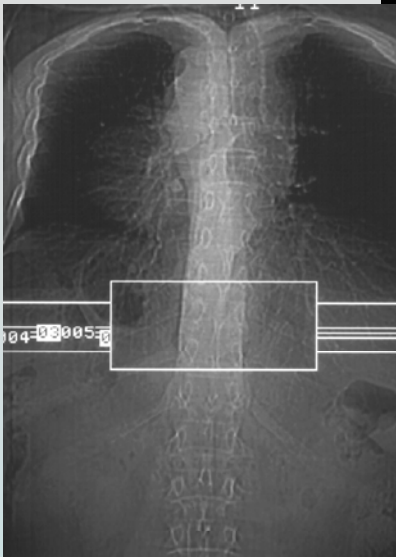
AN INTRODUCTION TO PAIN MANAGEMENT

Prof. Dr. MOHADJER
NEUROSURGEON AND SPECIALIZED PAIN THERAPIST
2012/7/11



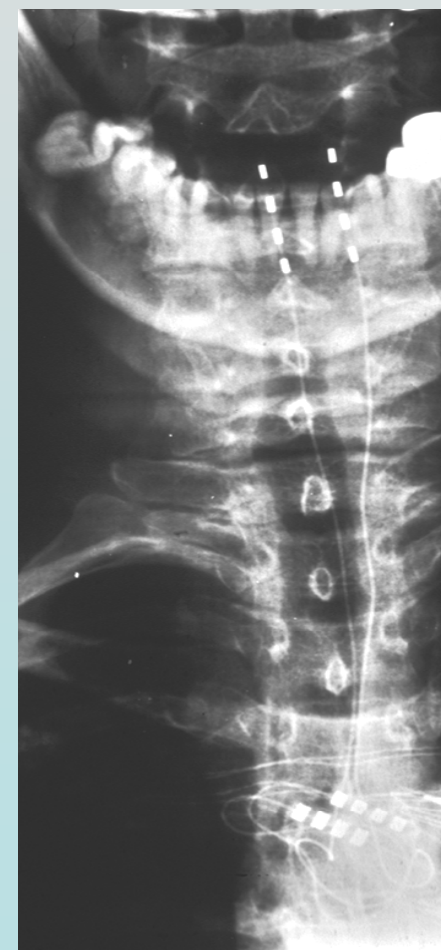
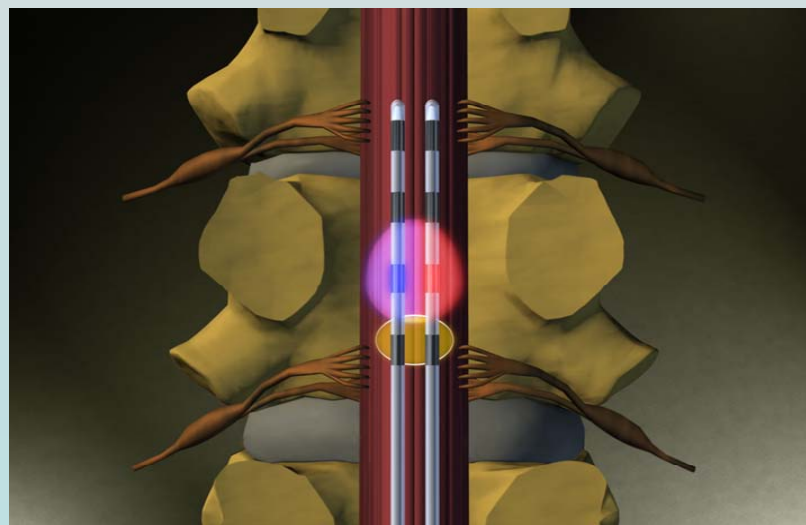
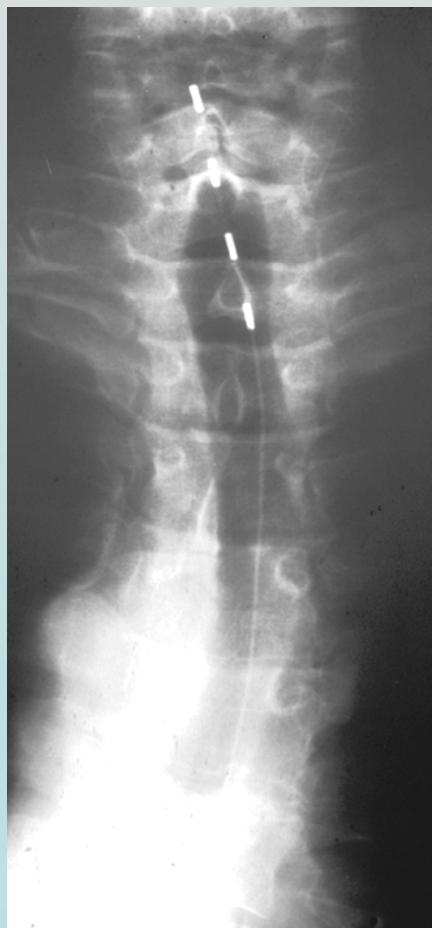




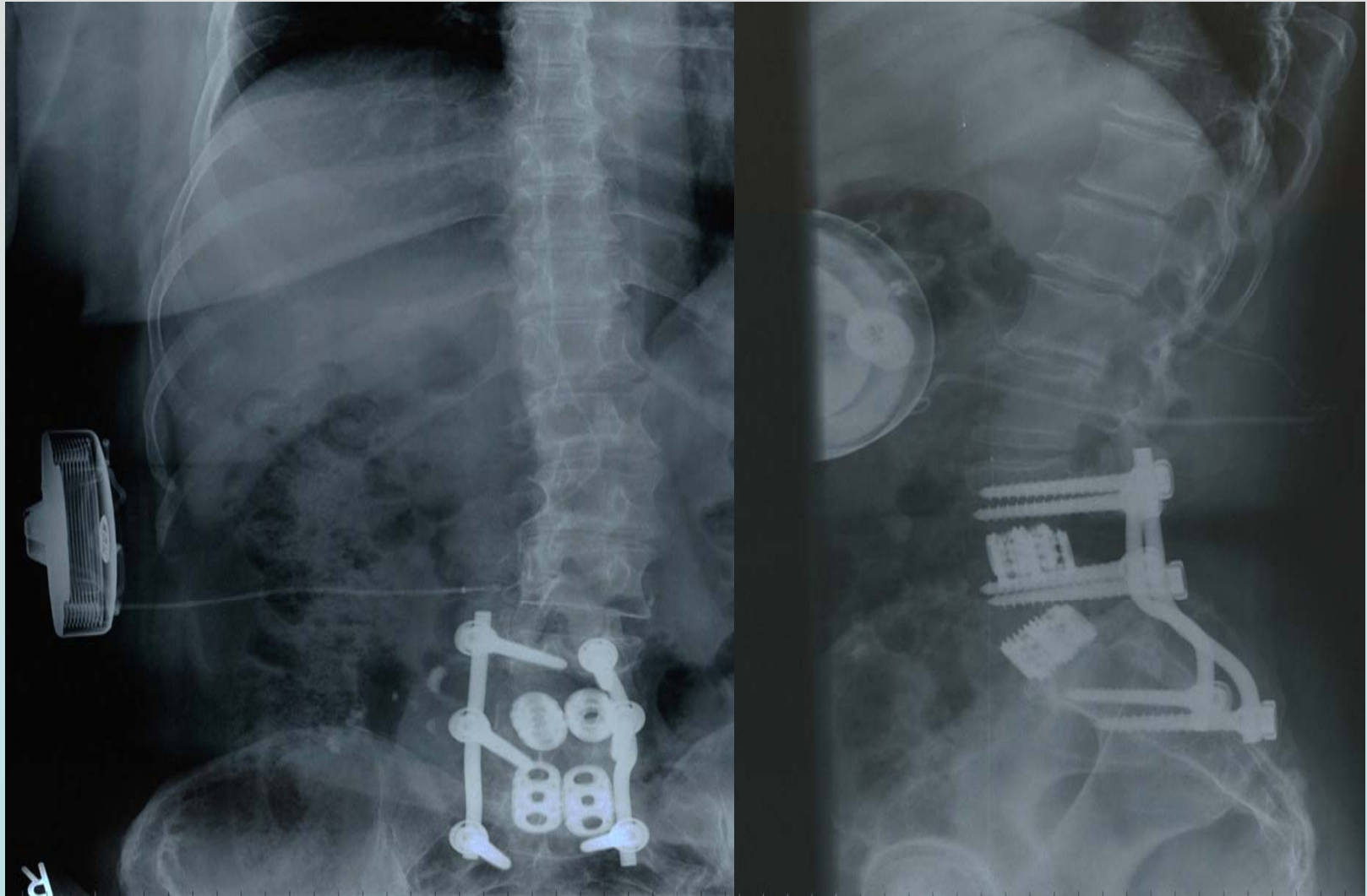


Gürtelrose

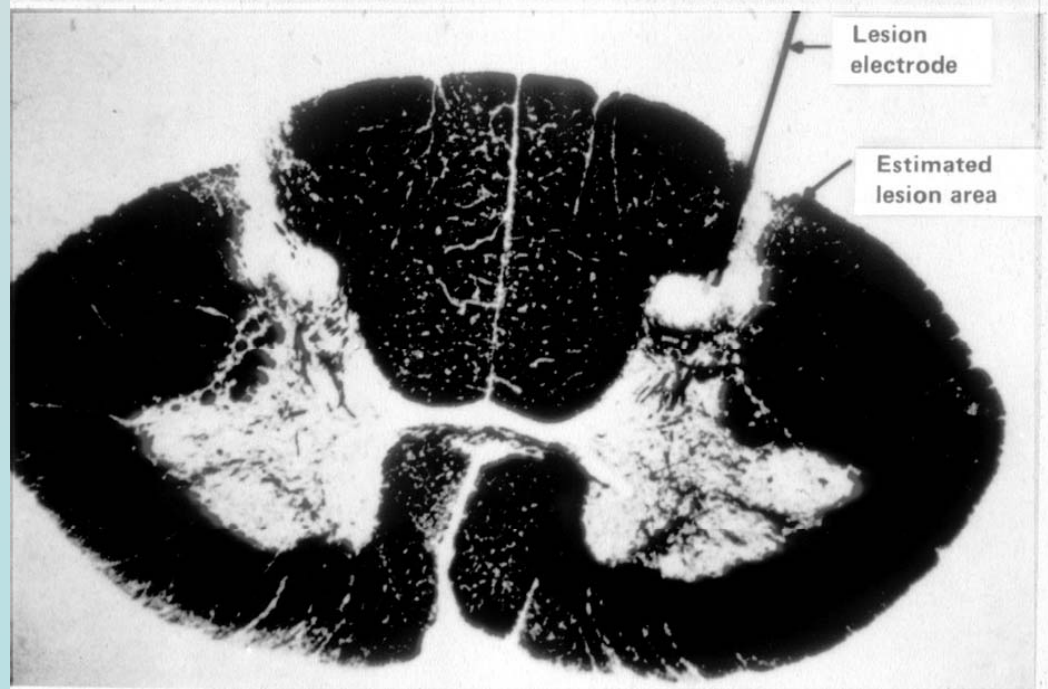
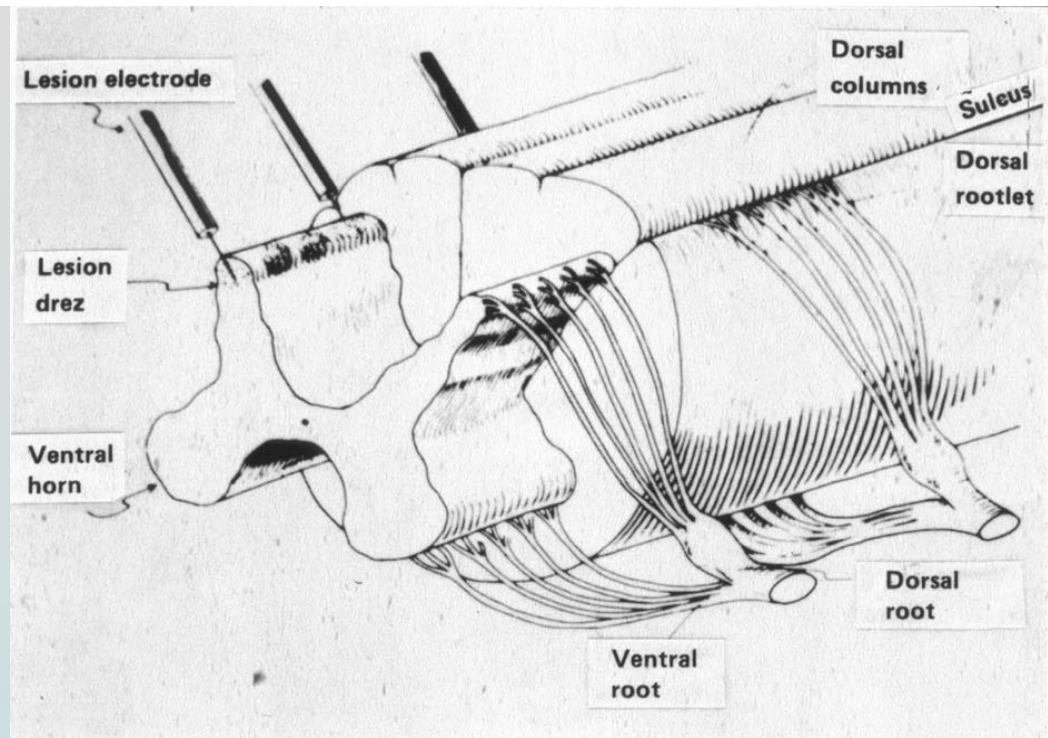
SCS: Implantationstechnik



Intrathekale Opioid, ...



lumbale intrathekale Medikamentenpumpe





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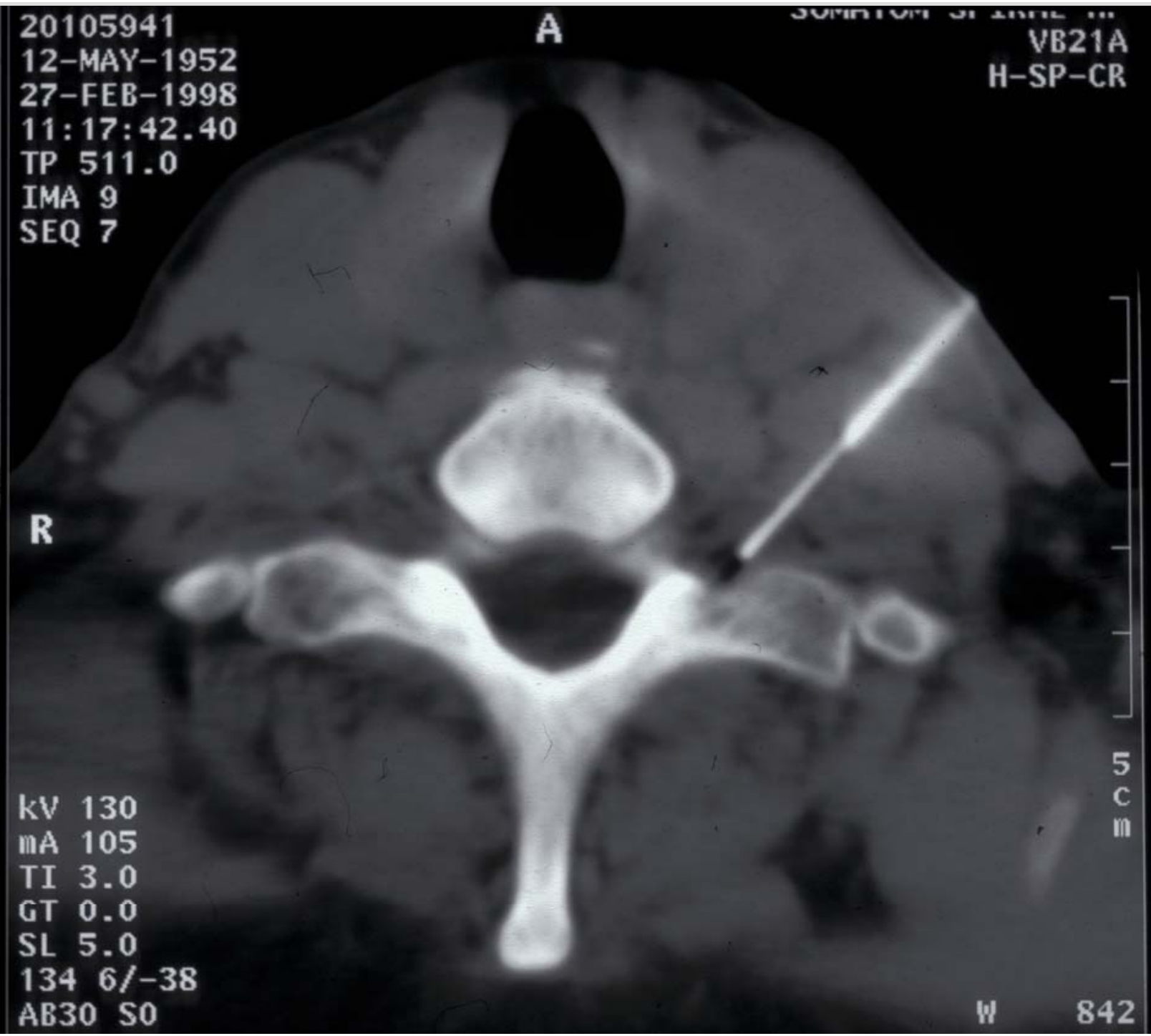
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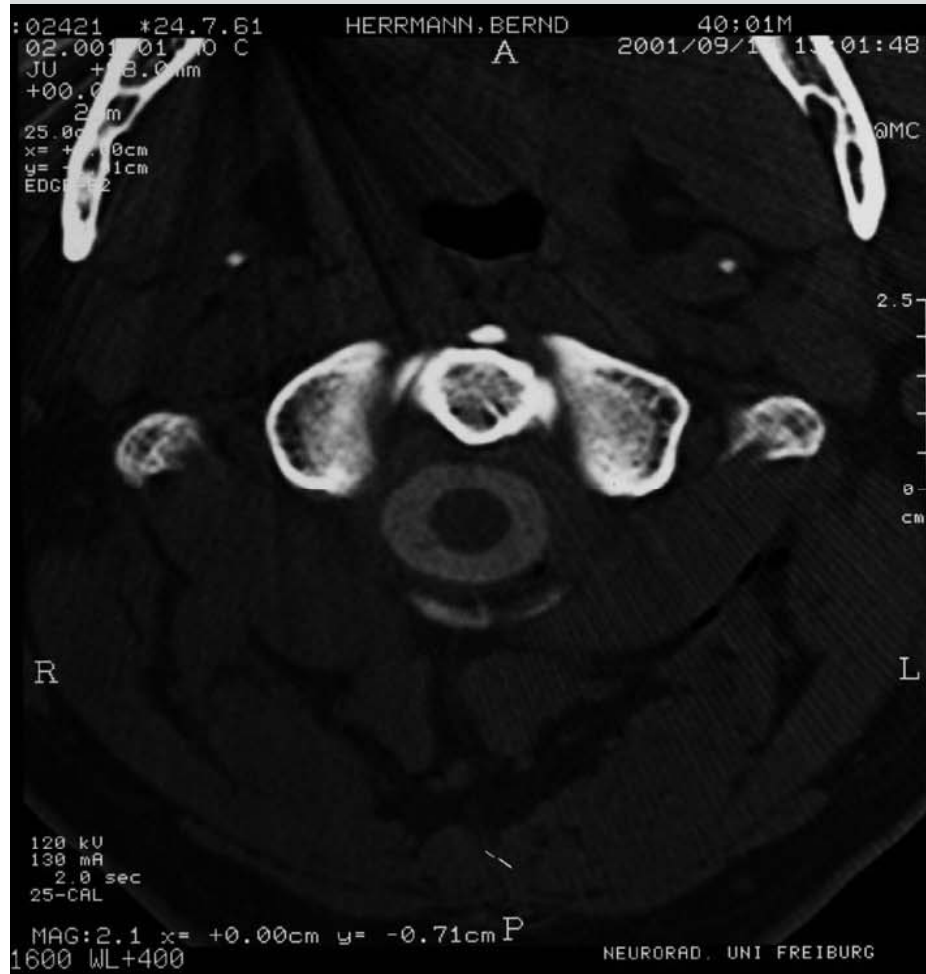
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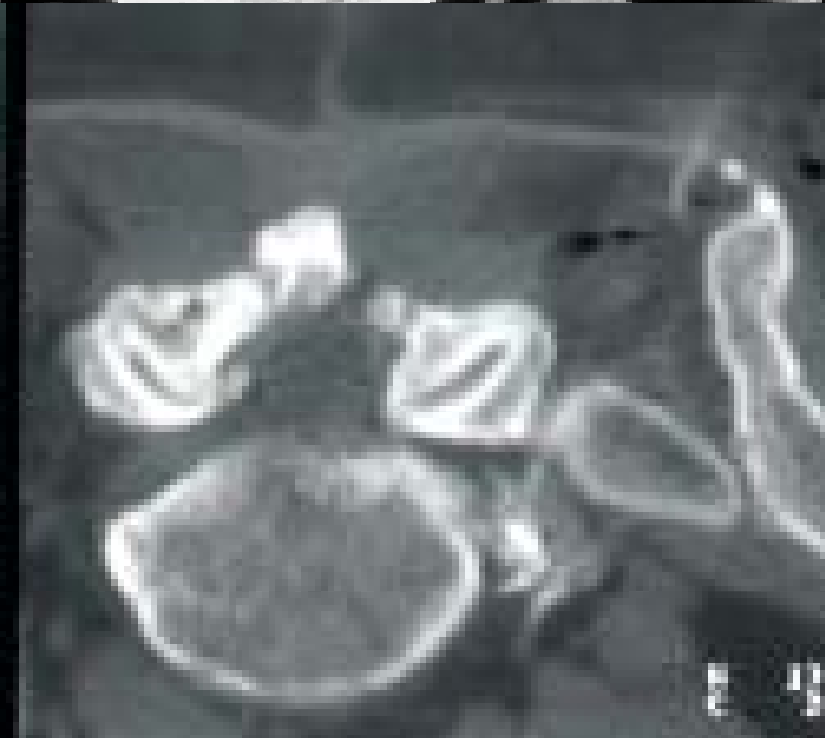
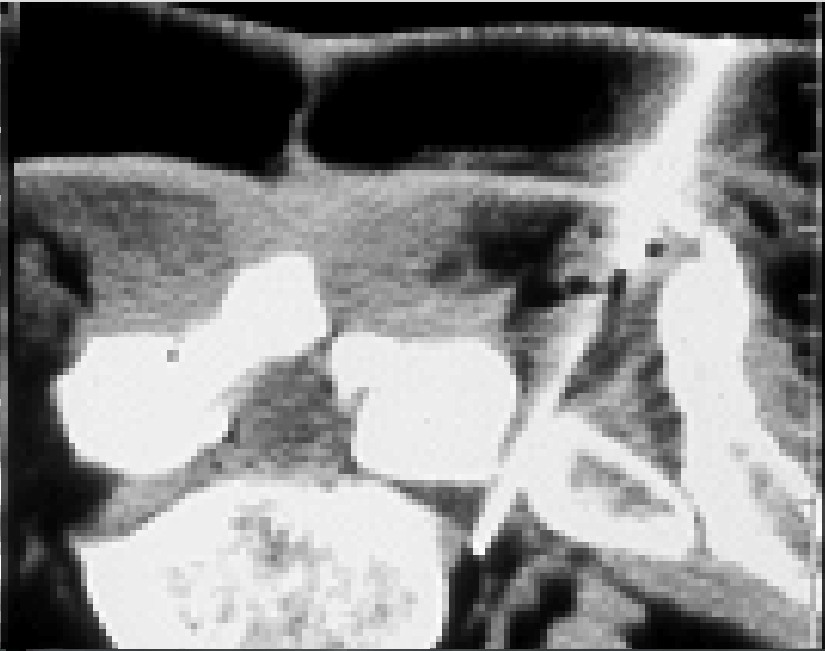
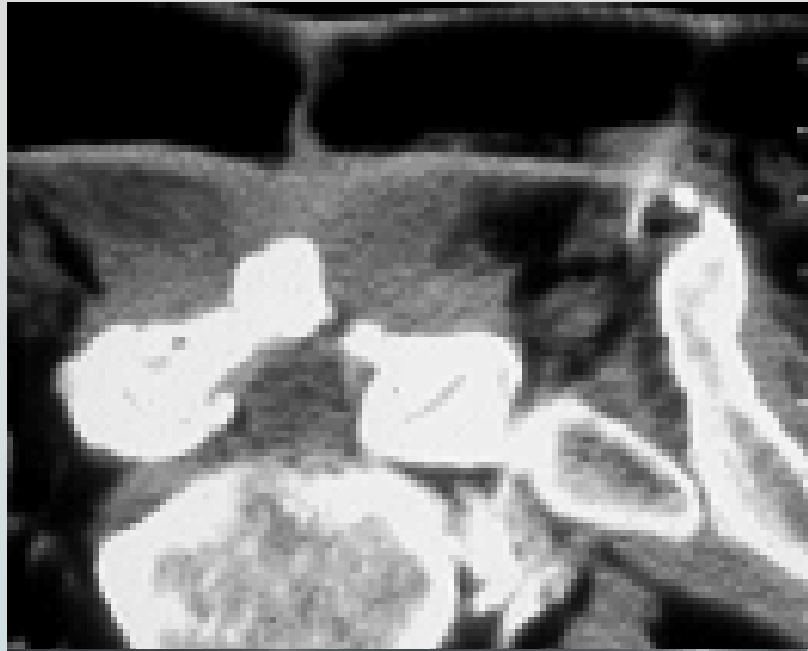
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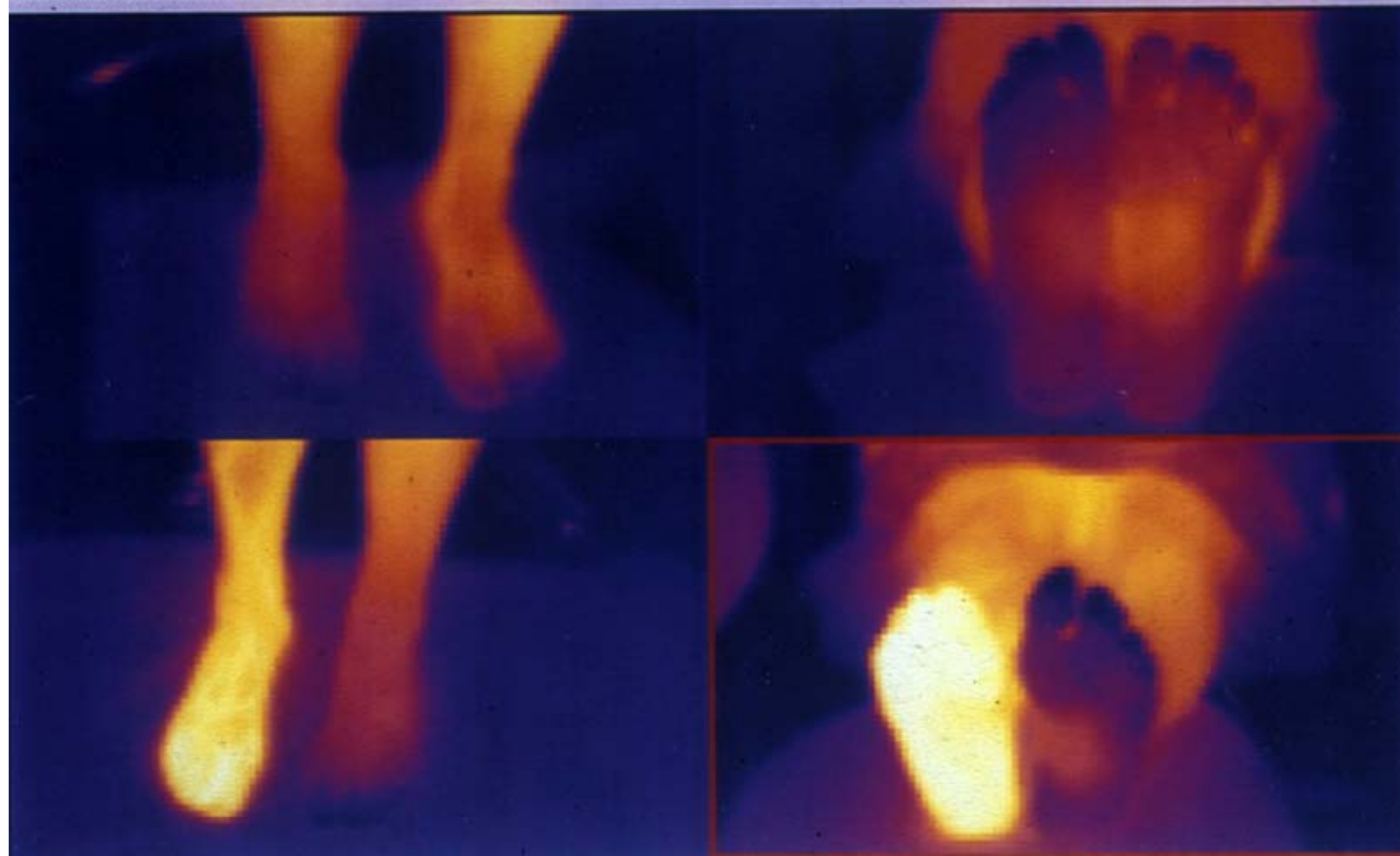
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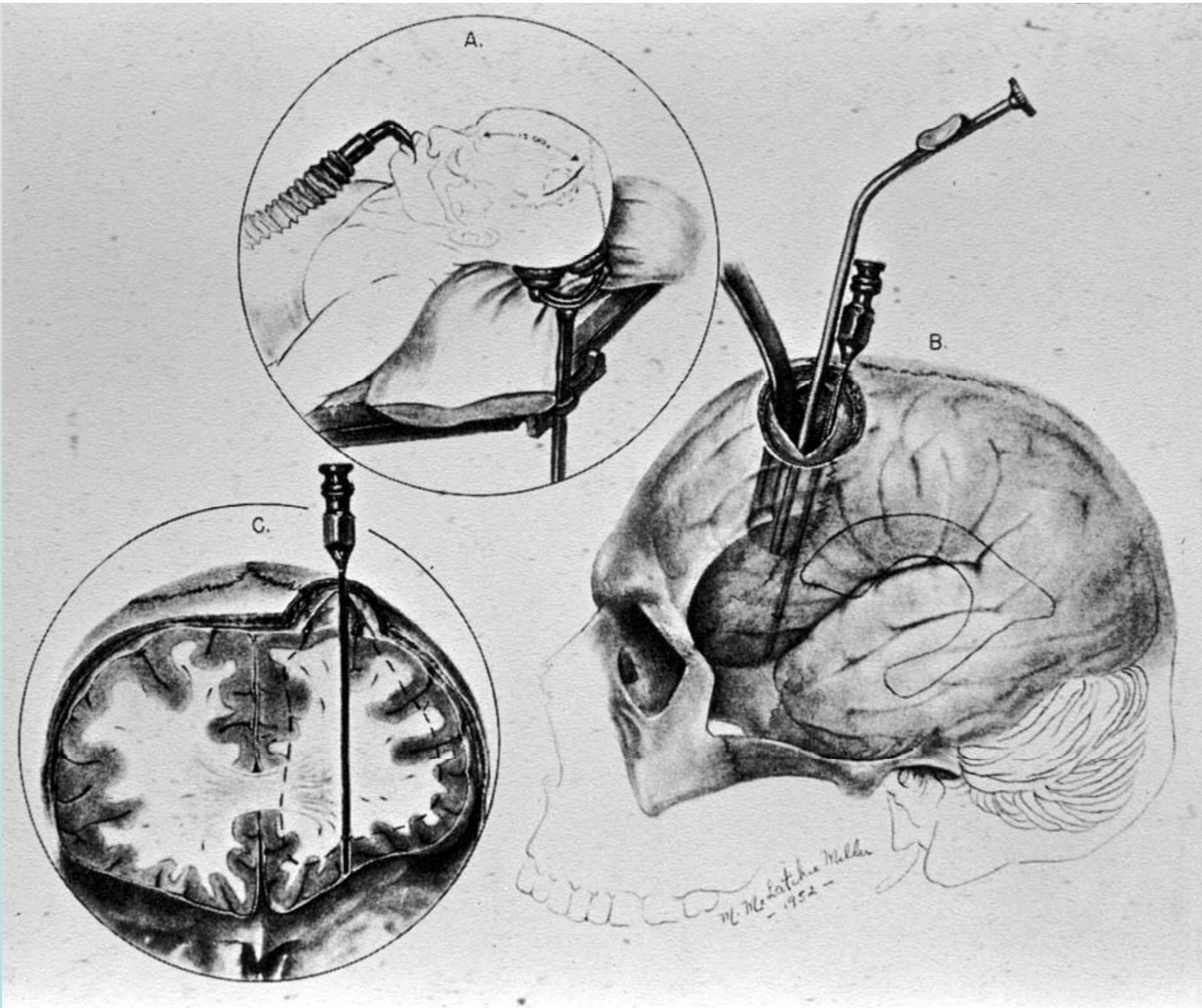
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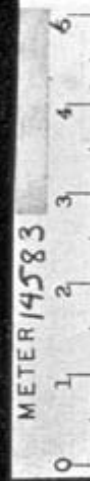
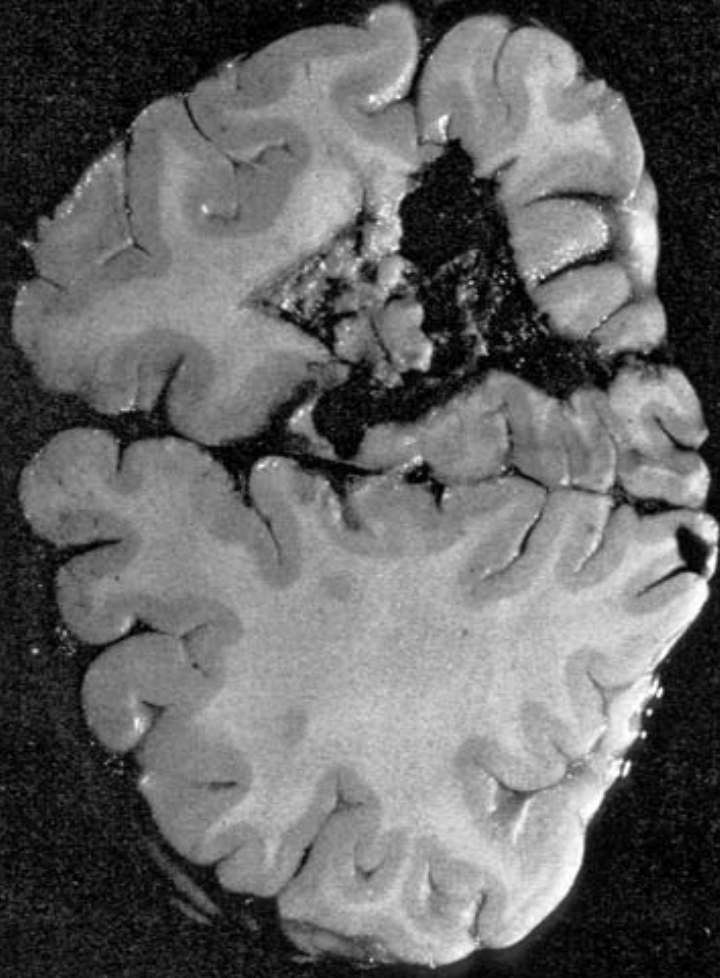
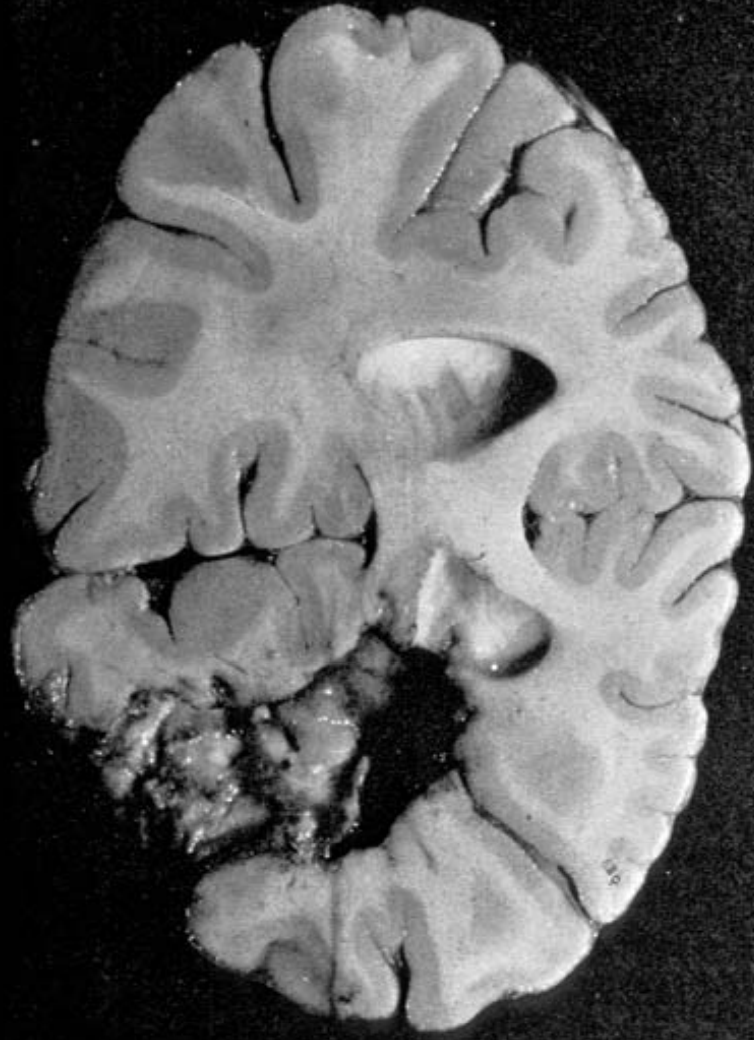
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Navigation icons: left arrow, right arrow, up arrow, down arrow

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Neurochir. Klinik, Freiburg

C SW/TE





„Modern diseases“

common features 1

Functional somatic symptoms are presented with pain, disability , suffering and less organic interference .

**clear vision of patients about "their" disease in
contrary to the lack of scientific and somatic explanations**

„Modern diseases“

common features 2

**Patients cannot be calmed by medical staff
(Loss of authority of doctors? anti-scientific
attitude ?)**

Political and socio-cultural dimensions

**Global excitement (People, health insurance, and
scientists)**

Barsky & Borus, Ann Intern Med 1999; 130:910

Modifiziert Mohadjer 2012

Strikingly similar signs

- The symptoms are found in many other health problems
- The somatic and psychological symptoms are nonspecific
- Physical and laboratory findings are inconsistent
- Incomparably greater representation in the Media....
- Resistance against possible psychological reasons
- Functional symptoms respond to the same treatment

Modern diseases?



Bilder und Informationen über die Bioresonanztherapie mit freundlicher Genehmigung der

Regumed Regulative Medizintechnik GmbH
Hans-Cornelius-Straße 4
D-82166 Gräfelfing
<http://www.regumed.de>

Liebe Leserin, lieber Leser,

haben Sie sich auch schon gefragt, warum es trotz des großen Wohlstandes und des unglaublichen wissenschaftlichen Fortschrittes immer mehr Menschen aber auch immer mehr Tiere gibt, die an allergischen und chronischen Erkrankungen leiden?

Aus diesem Grund haben wir eine Methode entwickelt, die neue Ansätze in Diagnose und Therapie ermöglicht: Die Bicom Bioresonanzmethode. Die Bioresonanztherapie gehört ebenso, wie z.B. die Homöopathie, die Akupunktur und andere Naturheilverfahren in den Bereich der Erfahrungsheilkunde. Sie wird seit über 25 Jahren in der Humanmedizin und seit über 10 Jahren auch in der Veterinärmedizin eingesetzt.

Unser Ziel ist es, Therapeuten zu helfen, Krankheiten zu lindern oder zu heilen, ohne schädliche Nebenwirkungen in Kauf nehmen zu müssen. Ihnen die Möglichkeit zu bieten, statt der Symptome die häufig versteckten körperlichen Ursachen zu erkennen und therapieren zu können.

Mit folgenden Seiten möchten wir Sie über die Hintergründe chronischer gesundheitlicher Störungen informieren und Ihnen die BICOM Bioresonanzmethode vorstellen. Vielleicht bietet sie gerade bei der Erkrankung Ihres Tieres die Chance, die vielleicht noch nicht entdeckten Ursachen der gesundheitlichen Störung herauszufinden und zu therapieren. Gehen Sie bitte die nächsten Seiten der Reihe nach durch.

Mit den besten Wünschen

Ihr Uwe Köstler

- ➔ Hundetraining
- ➔ Tierheilpraktiker
- ➔ Shop

- ➔ Startseite
- ➔ News
- ➔ Kundenstimmen
- ➔ Gästebuch
- ➔ Downloads
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- ➔ Kontakt
- ➔ Impressum
- ➔ AGB`s

[Bioresonanzmethode >](#)

„Modern diseases“

Neurasthenia ICD 10 F 48.0

Exhaustion and fatigue, headache, sexual disorders, concentration problems, melancholy

**Synonyms: psycho-vegetative syndromes,
vegetative dystonia, somatization
autonomic imbalance**

End of the 19th beginning of the 20th century: Fashion disease

„Modern diseases“

Chronic fatigue syndrome (CFS):

ICD-10 G93.3

Invalid-causing exhaustion disorders, tiredness usually accompanied by somatic complaints, not substantiated physical disorders

Psychiatric comorbidity (depression 50%)

„Modern diseases“

Fibromyalgia (FMS) ICD-10 M79.7

Rheumatism, almost full-body pain, positive tender points at least 11 out of 18!!, tiredness, fatigue (such as CFS),

Initial insomnia and sleep disturbances, headache

Depression / anxiety, stiffness, severe chronic incurable diseases

„Modern diseases“

Environmental illnesses

Multiple chemical sensitivity syndrome, amalgam disease, silicone disease, Electrical hypersensitivity Eco-Syndrome (Occurs most often in PTSD, allergy, general intolerance, stress, anxiety disorder)

**Buchwald and Garrity (1994), Kreutzer et al (1999)
Prevalenz of people reporting sensitivitis to chemicals in a population based Surrey. Am J Epidemo 150: 1 - 2**

Burnout first description

Herbert J. Freudenberger (1926 – 1999)

Pronounced state of physical, mental fatigue with reduced capacity.

A final state of a 12-stage evolution line begins with idealization and ends on frustration and disillusionment with apathy

Psychosomatic symptoms, depression
suicide potential or aggressiveness, increased
addiction tendency

Ferdinand Jäggi 2008
Burnout – Praxisnah Georg Thieme Verlag

What is **Burnout**?

"State of total exhaustion"

- 1 primary**
- 2 disease consequences**

Burnout 130 different individual complaints

Dilling et al, WHO ECD 10, Z 73.0

A plurality of different stage theories

Korzak, D et al: 2010, Differentialdiagnostik
des Burn out Symptoms: Deutsches Institut
für medizinische Dokumentation und Information
DIMDI, Köln

Burnout

**In 3 dimensions: emotional exhaustion
distance from work
reduced work performance**

Maslach C. et al, Measuring burn out: Cartwright, S., Copper, CI Thoxfad. Handbook of organizational well-being:2009, Oxford I University Press

Burnout

**Is a problem of the working world :
Position paper of the DGPPN, March 2012**

Burnout

**Is not a disease:
Matthias Berger et al (2012), Deutsches Ärzteblatt 109,4**

Pain is an unpleasant sensory or emotional experience associated with actual or potential tissue damage, or described in terms of such damage.

IASP, Pain, 6, 249-52, 1979

„ An unconscious pain is not known "

The pain is always a subjective experience, a subjective phenomenon. It exists almost exclusively in connection to- this is very important - sensitive subject.

The intention is to emphasize that pain is a consciousness phenomenon.

R.Hassler, 1959, Acta Neurochirurgica 1 -10



Former definition of chronic pain:
Pain with duration of more than 3-6 months

**The length of time by itself is not sufficient to
explain the chronification of pain**

Prolonged
Acute pain



Chronic pain

Chronification (warning signs - risk factors)

- Change of pain characteristics**
- increase of pain area → whole body pain**
- Change of behaviour**
- Further somatic and psychological symptoms**
- Gap between great severity of symptoms
and few objective diagnostic findings**

Pain disease

Wesen und Bedeutung des Schmerzes

Bibliothek der Neurochirurgischen
Klinik der Universität Freiburg i. Br.

von

FERDINAND SAUERBRUCH

und

HANS WENKE

Zweite, erweiterte und veränderte Auflage

Mit 8 Abbildungen auf Kunstdrucktafeln

1961

ATHENAUM VERLAG · FRANKFURT AM MAIN · BONN

The character and importance
of pain

written by

FERDINAND SAUERBRUCH

and

HANS WENKE

Second advanced and modified edition

1961

Athenaum Verlag Frankfurt am Main, Bonn

AUS DEM VORWORT ZUR ERSTEN AUFLAGE
(1936)

Die vorliegende Arbeit versucht, in ärztlicher und philosophischer Betrachtung das Wesen des Schmerzes zu ergründen. Sie

**...die Eigentümlichkeit der
„Schmerzkrankheiten = Algopatien“
erkennen, bei denen der Schmerz
offenbar nicht ein Symptom neben
anderen.....sondern bei denen er selbst
ohne erkennbare körperliche Ursache
die eigentliche Krankheit ist.**

philosophischer Art, die die physischen Grundlagen des Schmerzerlebnisses außer acht lassen. Bei dieser Behandlung des Schmerzproblems hat sich uns die auf allen Gebieten notwendige und so oft vergeblich geforderte Synthese wissenschaftlicher Einzelarbeit überzeugend bewährt. Diese Schrift ist darum auch ein Bekenntnis zur lebendigen Idee der „universitas litterarum“. Sie überwindet die Begrenztheit der Spezialforschung und dient dem höheren Gedanken wissenschaftlicher Gemeinsamkeit der Fakultäten.

SAUERBRUCH WENKE

From the preamble to the first edition
(1936)

**...to discover the singularity of the pain
disease = „Algopatients“, on which the
pain is obviously not a symptom
besides others..... but on which the pain
is the real disease - without any
unknown physical cause**

SAUERBRUCH, WENKE



René Descartes, 1596 - 1650. French philosopher, mathematician and scientist. Founder of modern realism, which is the basis of his metaphysics. In his theory of dualism compared to monism, he reduces the human organism on one hand on his mechanics and on the other hand to the soul.

This is his best-known and often criticized approach



René, Descartes 1596 - 1650

The human as an intimate mixture of body and soul

Soul: intellect: Idea-forming ability, thinking, willing

Soul:

"I" feel, feel the nature (sensory force)

1. basis standard :

Control of the body by the soul
„influxus animae“

2. basis standard

Control of the soul by the body
„influxus corporis „

Body: Instinct:
sensory organs:
animal machine:

pain, hunger, thirst, demand
perception, sensitivity
motion, nutrition

Friedrich Schiller 1759 - 1805



Pain is a negative feeling and consists of only two factors. One rapidly changes the mood and the nature and the other one separates the inseparable.

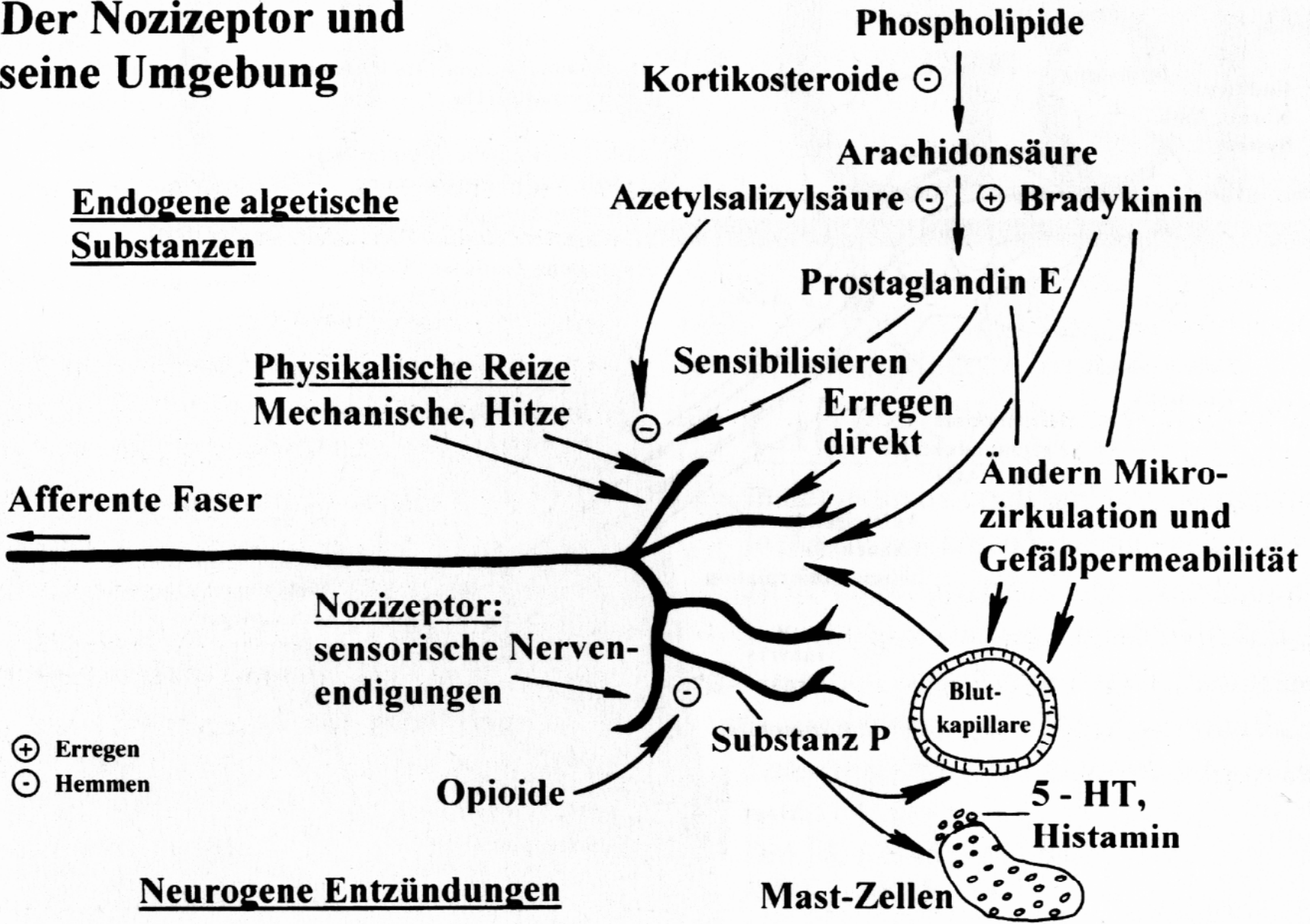
Abu Ali Sina (Avicenna), 980 -1037

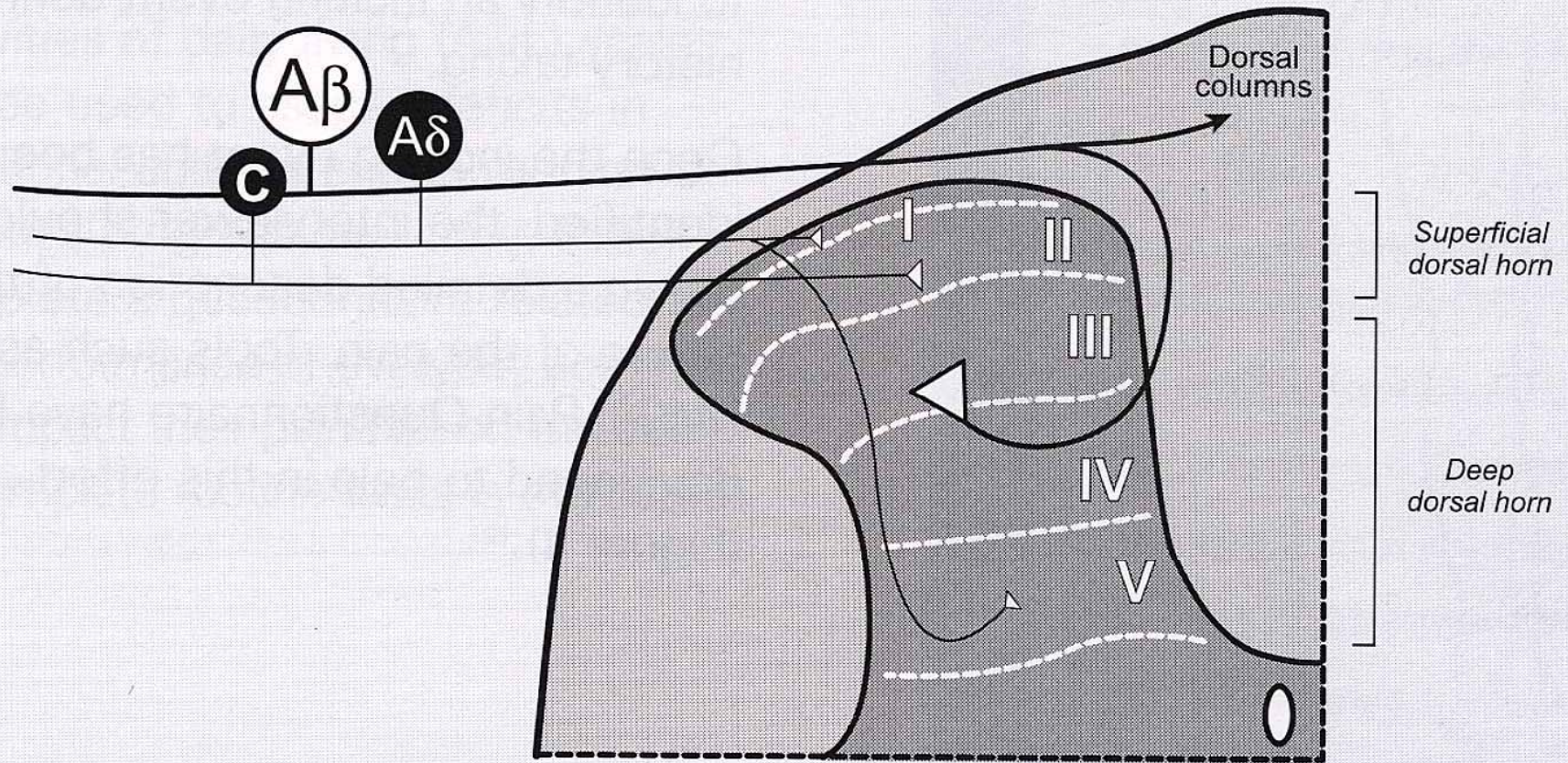
Iranian physician, physicist, philosopher, lawyer, mathematician



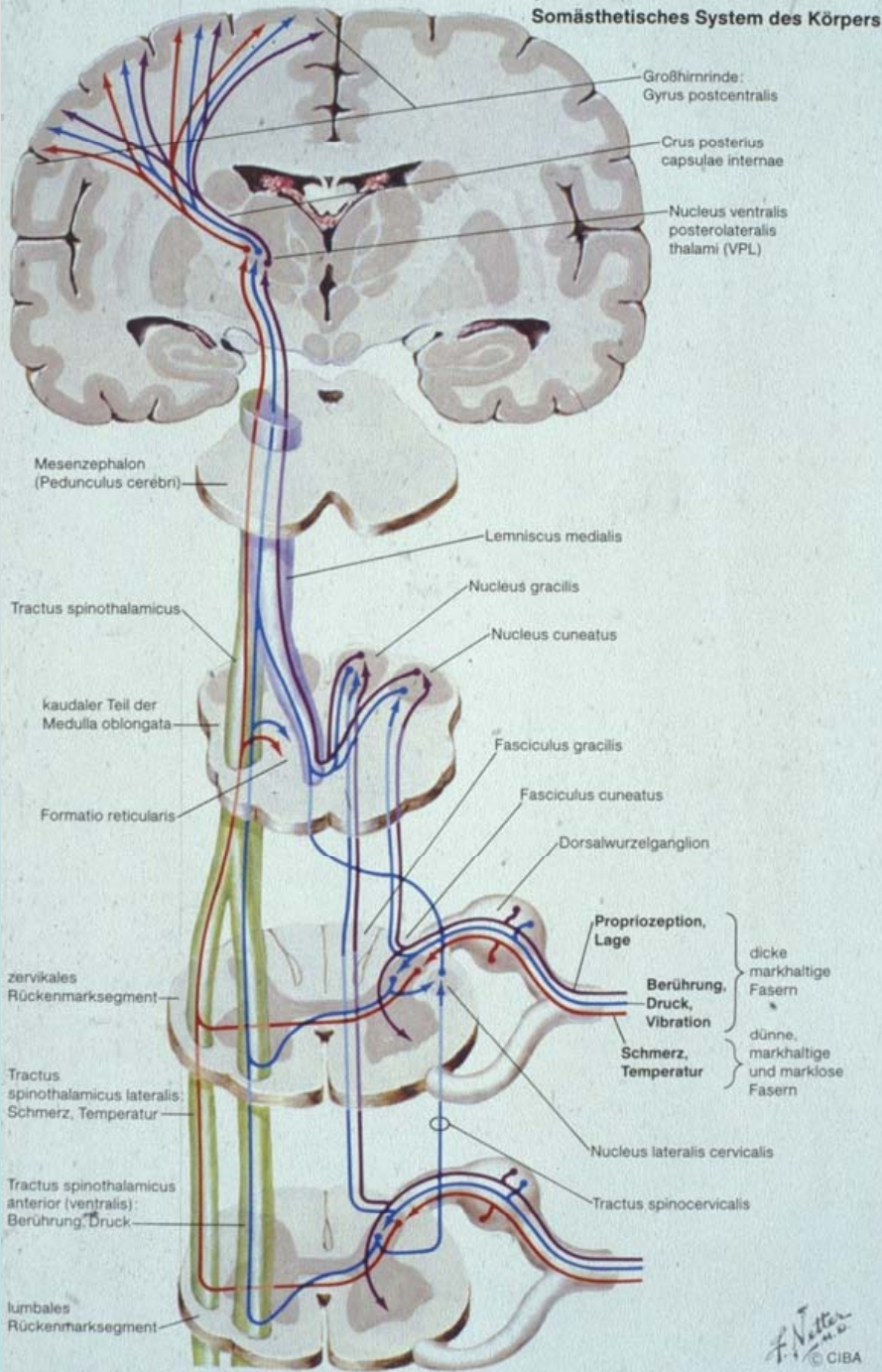
Der Nozizeptor und seine Umgebung

Endogene algetische Substanzen

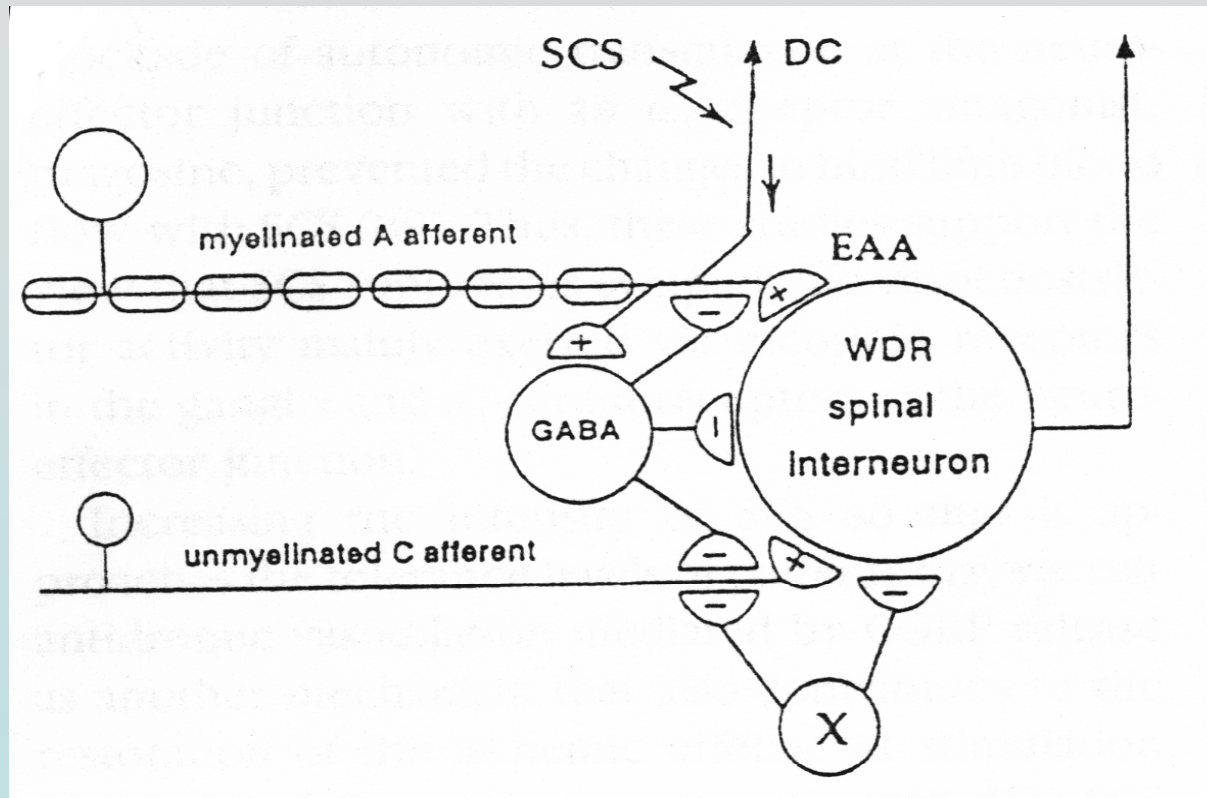




Somästhetisches System des Körpers



Neurophysiologische Grundlagen



**Gate – control – theory (Melzack and Wall 1969)
modifiziert nach Linderoth et al, 1999**

CONCLUSION

Pain is an emotional and psychological experience that requires conscious recognition of a noxious stimulus. **Consequently, the capacity for conscious perception of pain can arise only after thalamocortical pathways begin to function,** which may occur in the third trimester around 29 to 30 weeks' gestational age, based on the limited data available.

Small-scale histological studies of human fetuses have found that **thalamocortical fibers begin to form between 23 and 30 weeks' gestational age,** but these studies did not specifically examine thalamocortical pathways active in pain perception.

Susan J. Lee, JD et al, JAMA August 24/31 2005 – Vol 294, No. 8, 947-954

American Medical Association