



Carsten Thomsen

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CURRICULUM VITAE

Personal Data

Name	Carsten Thomsen
Date of birth	December 21, 1955
Address (work)	Department of Radiology Zealand University Hospital, Roskilde, Sygehusvej 6, 4000 Roskilde, Denmark
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Address (home):	Valnøddebakken 8, DK-2800, Lyngby, Denmark
Tel	+45 45939768
Mobile	+45 26984869
Marital status	Married, with two adult children
Citizenship	Danish

Education

Aug 1969 - June 1971	Niels Steensens Gymnasium - realskolen (secondary school).
Aug 1971 - June 1974	Niels Steensens Gymnasium - matematisk fysisk gymnasium (upper secondary school).
Sep 1974 - June 1981	Medical Faculty, University of Copenhagen, Master in Medicine, June 1981.
Sep 1975 - Aug 1978	Natural Science Faculty, Computer Science, University of Copenhagen. Computer Science.
Aug 1981 - Oct 1981	The Army Medical Officer School. Lieutenant, October 1981.
June 1981	Authorization as a physician.
April 1988	Authorization to practice privately as a physician.
March 1993	Authorization as a specialist in Diagnostic Radiology.
March 1996	Doctor of Science (medicine).

September 1997 Professor in Diagnostic Radiology Copenhagen University. Chief of Magnetic Resonance, Rigshospitalet, The National University Hospital.

January 2017 Called to Zealand University Hospital and Copenhagen University as Professor in Diagnostic Radiology

Employment

03.08.81 - 31.07.82 Army Medical Corps, Lieutenant

01.08.82 - 31.01.83 Dept. of Orthopaedic Surgery, Hvidovre Hospital, University of Copenhagen

01.02.83 - 31.05.83 Army Medical Corps, Lieutenant

01.06.83 - 31.08.83 Dept. of Hepatology, Hvidovre Hospital, University of Copenhagen

01.09.83 - 31.07.85 Dept. of Oncology, Rigshospital, University of Copenhagen

01.08.85 - 30.06.87 Medical Faculty, University of Copenhagen, Scholarship

01.07.87 - 30.11.89 Dept. of Diagnostic Radiology, Hvidovre Hospital, University of Copenhagen

01.12.89 - 31.08.90 Dept. of Diagnostic Radiology, Bispebjerg Hospital

01.09.90 - 28.02.91 Dept. of Urology, Herlev Hospital, University of Copenhagen

01.03.91 - 31.10.92 Dept. of Diagnostic Radiology, Rigshospital, University of Copenhagen

01.11.92 - 31.08.94 Danish Research Center of Magnetic Resonance, University of Copenhagen

01.09.94 - 30.09.95 Dept. of Diagnostic Radiology, Gentofte Hospital, University of Copenhagen

01.10.95 - 31.12.17 Dept. of Diagnostic Radiology, Rigshospitalet, The National University Hospital

01.01.2017 - _____. University of Copenhagen
Dept. of Diagnostic Radiology Zealand University Hospital

Dissertation for Doctor Degree

Quantitative magnetic resonance methods for in vivo investigation of the human liver and spleen. Technical aspects and preliminary clinical results. University of Copenhagen, Marts 1996. Acta Radiol. 1996; 37 suppl. 401: 1 - 34.

Patent

Optical motion tracking of an object. WO 2011/113441 A2 Sold to TracInnovations
<https://tracinnovations.com/>

Device for reducing magnetic susceptibility artefact. P4000DK00 - PA 2105 70736 Sold to PAR Scientific A/S <https://www.parscientific.com/>

System for electrical stimulation during functional MRI - patent pending. 17195244.3 - 1666

Member of Scientific Societies

Danish Society of Diagnostic Radiology.
European congress of radiology - ECR
European society of magnetic resonance in medicine and biology - ESMRMB

Award

Danish Society of Diagnostic Radiology, Philips Rejselegat, 1990.
Kodak's rejse legat, Dansk Radiologisk Selskabs, 1996.
Schering Rejse legat, Dansk Selskab for Medicinsk Magnetisk Resonans, 1998.
Savværksejer Jeppe Juhl og Hustru Ovita Juhls Mindelegat, 2015.

Supervision

Doctoral theses (Dr.Med.)

- Karl Erik Jensen, MD, D.Sc, Danish Research Center of Magnetic Resonance, University of Copenhagen.
- Jens Møgelvang, MD, D.Sc, Danish Research Center of Magnetic Resonance, University of Copenhagen.
- Lars Søndergaard, MD, Danish Research Center of Magnetic Resonance, University of Copenhagen.

PhD theses

- Peter Vestergaard-Poulsen, MSc, PhD, Danish Research Center of Magnetic Resonance, University of Copenhagen.
- John de Poorter, MSc, PhD, University of Gent.
- Ronie Wirestam MSc, PhD, University of Lund.
- Sara Brockstedt MSc, PhD, University of Lund.
- Mette Marklund MD, Rigshospitalet, University of Copenhagen.
- Anne Mette Plomgaard MD, Rigshospitalet, University of Copenhagen.
- Ulrik Nicolaj Ascanius Feldind, Universitu of Copenhagen

Procurement

- Procurement and purchase of a 1.5-2.0 Tesla whole body MR-scanner, a 4.7 Tesla experimental MR-scanner and a Rf. and coil laboratory to Danish Research Center for Magnetic Resonance, Hvidovre University Hospital 1988.
- Procurement and purchase of a 1.0 Tesla whole body MR-scanner and a 1.5 Tesla whole body MR-scanner to Danish Research Center for Magnetic Resonance, Hvidovre University Hospital 1993.
- Procurement and purchase of a 1.5 Tesla whole body MR-scanner to Rigshospitalet, 1996.
- Procurement and purchase of a 0.2 Tesla whole body MR-scanner to Rigshospitalet, 1997.
- Procurement and purchase of a 1.5 Tesla whole body MR-scanner to Rigshospitalet, 1999.
- Advisory procurement of a 0.2 Tesla whole body MR-scanner to Sygehuset Torshavn, Faroe Islands, 2000.
- Procurement and purchase of a 3.0 Tesla whole body MR-scanner to Rigshospitalet, 2004.
- Procurement and purchase of two 1.5 Tesla whole body MR-scanner to Rigshospitalet, 2008.
- Chairman of the National advisory group for procurement and purchase of 21 MR-scanners, as part of the national cancer program, marts 2008.
- Chef of the advisory board Capital Region procurement and purchase of a 1.5 Tesla whole body MR scanner to the regional hospital in Rønne, Bornholm 2012.
- Danish national 7.0 Tesla Magnetic Resonance project located at Hvidovre Hospital, fund raising, procurement and steering group 2009 - 2015.
- Procurement and purchase of three 1.5 Tesla whole body MR-scanner to Rigshospitalet Blegdamsvej and Rigshospitalet Glostrup, 2015.
- Procurement and purchase of three 3.0 Tesla whole body MR-scanner to Zealand University Hospital Roskilde, 2017.
- Procurement and purchase of three 3.0 Tesla whole body MR-scanner to Rigshospitalet - NRU, 2018.

Others

Accountant for Danish Society for Magnetic Resonance in Medicine, 1986-1988.

President for Danish Society for Magnetic Resonance in Medicine, 1989-1991 and 1991-1993.

Associated editor Acta Radiologica, 1996 - 2002 & 2004 - 2005

Retningslinjer for undersøgelse af nyresyge patienter med kontraststoffer - med særligt fokus på gadoliniumholdige kontraststoffer ved MR-skanning. Carsten Thomsen, Bente Fiirgaard, Lise Gammelgaard, Jens Dam Jensen, Peter Marckmann, Jesper Laustsen, Jesper Rye Andersen. Sundhedsstyrelsen, version: 1.0; versionsdato: 18. September 2009

Gennemgang af neurologiske patienter, der er MR-skannet med gadoliniumholdige kontraststoffer, i Region Hovedstaden med henblik på NSF. Region Hovedstaden og Ministeriet Sundhed Forebyggelse Februar 2009.

Gennemgang af kliniske vejledninger i brug af gadoliniumholdige kontraststoffer for danske sygehuse. Sundhedsstyrelsen May 2009.

Gennemgang af NSF tilfælde på danske sygehuse, Sundhedsstyrelsen July 2009.

Reviderede retningslinjer for undersøgelse af nyresyge patienter med gadoliniumholdige kontraststoffer ved MR-skanning. Carsten Thomsen, Bente Fiirgaard, Lise Gammelgaard, Peter Marckmann, Nils Lauge Johannese, Jesper Rye Andersen, Ida Maria Schmidt. Sundhedsstyrelsen December 2013

<http://www.sst.dk/publ/Publ2013/11nov/MRskanKontrastGdnyresgd2udg.pdf>

Clinical experience

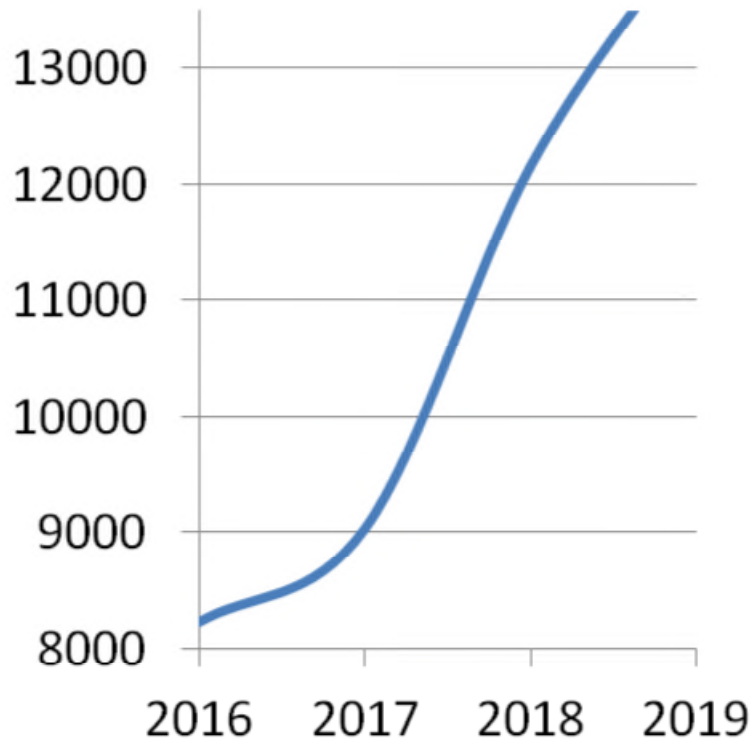
Danish Research Center of Magnetic Resonance, University of Copenhagen, Clinical MRI team: August 85 to november 89 & november 92 to august 94.

Chef of MR-section at Rigshospitalet, Department of Radiology, X 1995 - 2017, with the responsibility for 34,500 MRI examinations (18,000 patients' contacts).

Clinical and legal responsible for X-Ray and MRI at Center for Rygkirurgi and Center for Billeddiagnostik, Hans Bekkebolds Alle 2, 2900 Hellerup 2004 - 2017.

Chef of MR-section Zeeland University Hospital since 2017 (13,000 patients' contacts).

Zeeland university hospital MR production



Theses in which one or more publications listed below have been used

1. Matzen P. Differentialdiagnostik ved icterus. University of Copenhagen, Denmark, 1985.
2. Ståhlberg F. A study of flow perpendicular to the imaging plane using 0.08 - 1.5 T NMR imaging units. University of Lund, Sweden, 1987.
3. Jensen KE. Magnetic resonance imaging and spectroscopy of the bone marrow in vivo - with special attention to the possibilities for tissue characterization in patients with leukemia. University of Copenhagen, Denmark, 1992.
4. Greitz D. Cerebrospinal fluid circulation and associated intracranial dynamics. A radiologic investigation using MR Imaging and radionuclide cisternography. Karolinska Hospital, Stockholm University, Sweden, 1993.
5. Malchow-Møller A. An evaluation of computer-aided differential diagnostic models in jaundice. University of Copenhagen, Denmark, 1994.
6. Jacobsen S. Chronic widespread musculoskeletal pain - The fibromyalgia syndrom. University of Copenhagen, Denmark, 1994.
7. Møgelvang J. Left and right ventricular volumes determined by magnetic resonance imaging. University of Copenhagen, Denmark, 1995.
8. Larsson HBW. In vivo characterization of the multiple sclerosis plaque by Magnetic resonance imaging and spectroscopy. University of Copenhagen, Denmark, 1995.
9. Vestergaard-Poulsen P. Simultaneous EMG-measurement and ³¹P NMR spectroscopy. University of Copenhagen, Denmark, 1995.
10. J. De Poorter. Niet-invasieve thermometrie in biologische weefsels met behulp van magnetische resonantie. University of Gent, Belgium, 1995.
11. Frank A. Pulsatile Effects in Magnetic Resonance Flow Imaging. University of Uppsala, Sweden, 1997.
12. R Wirestam. Nuclear Magnetic Resonance and Microcirculation. University of Lund, Sweden, 1997.

13. Nørregaard J. Muscle function, psychometric scoring and prognosis in patients with widespread pain and tenderness (fibromyalgia). University of Copenhagen, Denmark, 1998.
14. Brockstedt S. Nuclear Magnetic Resonance for Diffusion Imaging. University of Lund, Sweden, 1998.
15. Jensen HV. Litiumbehandling af manio-depressiv sygdom. To eksempler på behandlingsregimer med forskellig serum litiumkoncentrationskurve. University of Copenhagen, Denmark, 1999.
16. Toft PB. Magnetic Resonance Investigations of the Human Infant Brain. University of Copenhagen, Denmark, 2001.
17. Elberling TV. Cognitive performance, psychiatric symptoms, and health related quality of life in patients with Graves' disease. Clinical and MR spectroscopic abnormalities. University of Copenhagen, Denmark, 2004.
18. Søndergaard L. Quantitative assessment of aortic regurgitation and stenosis using magnetic resonance velocity mapping: Technical aspects and clinical evaluation. University of Copenhagen, Denmark, 2004.
19. Borgwardt L. PET with MRI co-registration and image fusion in children with CNS-tumors. University of Copenhagen, Denmark, 2004.
20. Rostrup E. Basic physiology of BOLD imaging. University of Copenhagen, Denmark, 2006.
21. Marklund M. Magnetic Resonance Mamography on Midfield in Wommen with Primary Breast Cancer. University of Copenhagen, Denmark, 2008.
22. Boesen M. Magnetic Resonance imaging of joints following intra-articular treatment and procedures in arthritis. University of Copenhagen, Denmark, 2008.
23. Svenstrup K. Clinical and Molecular Genetic Aspects of Hereditary Spastic Paraplegia. University of Copenhagen, Denmark, 2009.
24. Bandholm T. Lower-leg muscle size and function in children with cerebral palsy - effects of botulinum toxin type A and physical rehabilitation. University of Copenhagen, Denmark, 2009.
25. Hansen KL. In-vivo studies of new vector velocity and adaptive spectral estimators in medical ultrasound. University of Copenhagen, Denmark, 2010.
26. Åkerström T. The effect of glucose ingestion during endurance training on adaptation. University of Copenhagen, Denmark, 2010.
27. Laurell L. Ultrasonography for Diagnosis, Intervention, and Follow-up in Juvenile Idiopathic Arthritis. University of Gothenburg, Sweden, 2011.
28. Lønborg JT. Cardiac magnetic resonance in patients with ST-segment elevation myocardial infarction - With special referance to myocardial area at risk and left atrial volume and function. University of Copenhagen, Denmark, 2011.
29. Jensen AS. Cyanotic congenital heart disease: Haemostatic abnormalities and clinical manifestations. University of Copenhagen, Denmark, 2012.
30. Schäfer K. The positive and negative BOLD signal in the human somatosensory cortex. University of Copenhagen, Denmark, 2012.
31. Nassehi D. Intracranial meningiomas, the VEGF-A pathway, and peritumoral brain edema. University of Copenhagen, Denmark, 2013.
32. De La Motte Louise. The systemic inflammatory response following endovascular aortic aneurysm repair. University of Copenhagen, Denmark, 2013.
33. Stig-Frederik Trojahn Kølbe. Lipofilling with MSC-enriched fat - a permanent autologous filler? University of Copenhagen, Denmark, 2014.
34. Line Borgwardt. Alpha-mannosidosis. Clinical and genetic characterization and treatment with enzyme replacement therapy. University of Copenhagen, Denmark, 2015.
35. Jesper Krogh. Exercise Training for Patients with Depression. University of Copenhagen, Denmark, 2015.
36. Sofi da Cunha-Bang. Multimodal Neuroimaging of Aggression in Violent Offenders. University of Copenhagen, Denmark, 2016.
37. Binderup Marie Louise Mølgaard. von Hippel-Lindau disease: Diagnosis and factors influencing disease outcome. University of Copenhagen, Denmark, 2016.
38. Per Jensen. Translocator Protein Imaging with 123I-CLINDE SPECT - Method Development and Clinical Reseach. Universitu of Copenhagen, Denmark, 2017.
39. Ulrik Nicolaj Ascanius Feldind, Blowout fractures - clinical, imaging and applied anatomy af the orbit. Universitu of Copenhagen, Denmark, 2018.
40. Louise Møller Jørgensen. Pharmacological and FBS-induced changes in cerebral serotonin release. Universitu of Copenhagen, Denmark, 2018.

Publications

1. Hilden J, Matzen P, Malchow-Møller A, Bryant S, the Copenhagen Computer Icterus Group*. Precision requirements in a study of computer-aided diagnosis of jaundice (the COMIK study). *Scand J Clin Lab Invest* 1980; 40 suppl(155): 125-128.
2. Malchow-Møller A, Matzen P, Bjerregaard B, Hilden J, Holst-Christensen J, Johansen TS, Altman L, Thomsen C, Juhl E. Causes and characteristics of 500 consecutive cases of jaundice. *Scand J Gastroenterol* 1981; 16: 1-6.

3. Bjerregaard B, Brynitz S, Holst-Christensen J, Jess P, Kalaja E, Lund-Kristensen J, Thomsen C. The reliability of medical history and physical examination in patients with acute abdominal pain. *Meth Inform Med* 1983; 22: 15-18.
4. Biering-Sørensen F, Thomsen C. Lænderygbesvær blandt hospitalsportører. *Ugeskrift for Læger* 1983; 145: 2884-2888.
5. Thomsen C, Biering-Sørensen F. Lænderygbesvær blandt hospitalsportører. Konsekvenser og arbejdsmiljø. *Ugeskrift for Læger* 1984; 146: 999-1004.
6. Matzen P, Malchow-Møller A, Hilden J, Thomsen C, Svendsen LB, Gammelgaard J, Juhl E, The Copenhagen Computer Icterus Group*. Differential diagnosis of jaundice: A pocket diagnostic chart. *Liver* 1984; 4: 360-371.
7. Matzen P, Hilden J, Thomsen C, Malchow-Møller C, Juhl E, The Copenhagen Computer Icterus Group*. Does test quality influence the outcome of algorithmic classification of jaundiced patients? *Scand J Clin Lab Invest* 1984; 44 suppl(171): 35-40.
8. Juhl E, Hilden J, Matzen P, Malchow-Møller A, Thomsen C, The Copenhagen Computer Icterus Group*. An example of requirements on clinical chemical tests in clinical decision making. *Scand J Clin Lab Invest* 1984; 44 suppl. 171: 27-33.
9. Juhl E, Matzen P, Malchow-Møller A, Hilden J, Thomsen C. Den gule patient. *Medicinsk Årbog* 1984: 112-119, Munksgaard, København.
10. Malchow-Møller A, Thomsen C, Hilden J, Matzen P, Mindeholm L, Juhl E, The Copenhagen Computer Icterus Group*. Survival after jaundice: A prospective study of 1000 consecutive cases. *Scand J Gastroenterol* 1985; 20: 155-162.
11. The Copenhagen Computer Icterus Group*. Differential diagnosis of jaundice: A pocket diagnostic chart. *Lecture Notes in Medical Informatics* 1985; 28: 108-113.
12. Krogsgaard K, Kryger P, Aldershvile J, Andersson P, Brechot C, The Copenhagen Hepatitis Acuta Programme***. Hepatitis B virus DNA in serum from patients with acute hepatitis B. *Hepatology* 1985; 5(1): 10-13.
13. Krogsgaard K, Aldershvile J, Kryger P, Andersson P, Nielsen JO, Hansson BG, The Copenhagen Hepatitis Acuta Programme***. Hepatitis B virus DNA, HBeAg and delta infection during the course from acute to chronic hepatitis B virus infection. *Hepatology* 1985; 5(5): 778-782.
14. Thomsen C. Magnetisk resonans, et nyt diagnostisk værktøj. *Lægen, månedsblad Udgiven af Københavns Lægeforening* 1985; 10: 18-19.
15. Henriksen O, Kjær L, Thomsen C, Pedersen J. Determination of relaxation processes by MRI. *EUROSPIN, The European Union* 1985; 5: 62-63.
16. Thomsen C, Hilden J, The Copenhagen Computer Icterus Group*. Håndtering af data for 1002 gulsotpatienter med henblik på diskriminering mellem hovedårsager og praktisk udformning af beslutningshjælpemidler. In: Raun NE (ed.): *Nordisk Symposium i Anvendt Statistik*. Danmarks edb-center for forskning og uddannelse, København, 1986: 11-30.
17. Krogsgaard K, Kryger P, Aldershvile J, Hansson BG, Nielsen JO, The Copenhagen Hepatitis Acuta Programme***. Delta-agens. Et nyopdaget hepatitisfremkaldende agens. *Ugeskrift for Læger* 1986; 148: 307-310.
18. Thomsen C, Hilden J, The Copenhagen Computer Icterus Group*. Håndtering af data for 1002 gulsotpatienter med henblik på diskriminering mellem hovedårsager og praktisk udformning af beslutningshjælpemidler. In: Raun NE, ed. *Nordisk Symposium i Anvendt Statistik*. Danmarks edb-center for forskning og uddannelse, København, 1986: 11-30.
19. Malchow-Møller A, Matzen P, Thomsen C, Mindeholm L, Hilden J, Juhl E. Algoritme til differentialdiagnostik ved icterus. *Ugeskrift for Læger* 1986; 148: 3136-3141.
20. Malchow-Møller A, The Copenhagen Computer Icterus Group*. An algorithm for differential diagnosis in jaundice and its applications. *Ann Med Interne* 1986; 137(3): 274-278.
21. Arendrup M, Lindhardt BØ, Krogsgaard K, Gaub J, Nielsen JO, The Copenhagen Hepatitis Acuta Programme***. LAV/HTLV-III-antistof hos patienter med akut hepatitis B i årene 1975-84. *Ugeskrift for Læger* 1986; 148: 825-828.
22. Henriksen O, Kjær L, Thomsen C. Determination of relaxation processes in pathological tissues in various organs. *EUROSPIN, The European Union* 1986; 8: 95-106.
23. Malchow-Møller A, Thomsen C, Matzen P, Mindeholm L, Bjerregaard B, Bryant S, Hilden J, Holst-Christensen J, Stæhr Johansen T, Juhl E. Computer diagnosis in jaundice. Bayes' rule founded on 1002 consecutive cases. *J Hepatol* 1986; 3: 154-163.
24. Møgelvang J, Thomsen C, Mehlsen J, Bräckle G, Stubgaard M, Henriksen O. Evaluation of left ventricular volumes measured by magnetic resonance imaging. *Eur Heart J* 1986; 7: 1016-1021.
25. Biering-Sørensen F, Thomsen C. Medical, social and occupational history as risk indicators for low-back trouble in a general population. *Spine* 1986; 11: 720-725.
26. de Chiara S, Andersen AR, Gade A, Thomsen C, Henriksen O, Lester J, Lassen NA. Subcortical arteriosclerotic encephalopathy (Binswanger's disease): A case report and a discussion of the consequence of its early in vivo detection. In: Bés A et al, eds. *Senile dementias: Early detection*. John Libbey Eurotext, 1986: 86-93.
27. Krogsgaard K, Kryger P, Aldershvile J, Andersson P, Sørensen TIA, Nielsen JO, The Copenhagen Hepatitis Acuta Programme***. δ -infection and suppression of hepatitis B virus replication in chronic HBsAg carriers. *Hepatology* 1987; 7(1): 42-45.

28. Thomsen C, Malchow-Møller A, The Copenhagen Computer Icterus Group*. Transferability of a probabilistic algorithm in differential diagnosis of jaundice. *Scand J Gastroenterol* 1987; 22, suppl 128: 170-172.
29. Arendrup M, Lindhardt BØ, Krogsgaard K, Gaub J, Nielsen JO, The Copenhagen Hepatitis Acuta Programme***. Antibody to HIV in patients with acute hepatitis B in the period 1975-1984. *Scand J Infect Dis* 1987; 19: 167-172.
30. Bentsen KD, Hørslev-Petersen K, Junker P, Juhl E, Lorenzen I, The Copenhagen Hepatitis Acuta Programme***. Serum aminoterminal procollagen type III peptide in acute viral hepatitis. A long-term follow-up study. *Liver* 1987; 7: 96-105.
31. Malchow-Møller A, Thomsen C, The Copenhagen Computer Icterus Group*. Algorithmic diagnosis of jaundice. *Scand J Gastroenterol* 1987; 22, suppl 128: 162-169.
32. Thomsen C, Grundtvig Sørensen P, Karle H, Christoffersen P, Henriksen O. Prolonged bone marrow T1-relaxation in acute leukaemia. In vivo tissue characterization by magnetic resonance imaging. *Magn Reson Imaging* 1987; 5: 251-257.
33. Thomsen C, Jensen KE, Giwerzman A, Kjær L, Henriksen O, Skakkebæk NE. Magnetic resonance: In vivo tissue characterization of the testes in patients with carcinoma-in-situ of the testis and healthy subjects. *International J Andrology* 1987; 10: 191-198.
34. Lindberg G, Thomsen C, Malchow-Møller A, Matzen P, Hilden J. Differential diagnosis of jaundice: Applicability of the Copenhagen Pocket Chart proved in Stockholm patients. *Liver* 1987; 7: 43-49.
35. Møgelvang J, Thomsen C, Horn T, Stubgaard M, Henriksen O. Determination of left ventricular myocardial volume (mass) by magnetic resonance imaging. *Am J Noninvas Cardiol* 1987; 1: 231-236.
36. Kjær L, Thomsen C, Iversen P, Henriksen O. In vivo estimation of relaxation processes in benign hyperplasia and carcinoma of the prostate gland by magnetic resonance imaging. *Magn Reson Imaging* 1987; 5: 23-30.
37. Kjær L, Thomsen C, Henriksen O, Ring P, Stubgaard M, Pedersen EJ. Evaluation of relaxation time measurements by magnetic resonance imaging. A phantom study. *Acta Radiol* 1987; 28: 345-351.
38. Thomsen C, Henriksen O, Ring P. In vivo measurement of water self diffusion in the human brain by magnetic resonance imaging. *Acta Radiol* 1987; 28: 353-361.
39. Iversen P, Kjær L, Thomsen C, Henriksen O. Magnetic resonance imaging of the prostate. *Scand J Urol Nephrol* 1987; 104 suppl: 41-45.
40. Ståhlberg F, Henriksen O, Thomsen C, Stubgaard M, Persson B. Determination of flow velocities from magnetic resonance multiple spin-echo images. A phantom study. *Acta Radiol* 1987; 28: 643-648.
41. Møgelvang J, Thomsen C, Mehlsen J, Bülow J, Kelbæk H, Henriksen O. Left ventricular ejection fraction determined by magnetic resonance imaging and gated radionuclide ventriculography. *Am J Noninvas Cardiol* 1987; 1: 278-283.
42. de Chiara S, Lassen NA, Andersen AR, Gade A, Lester J, Thomsen C, Henriksen O. High-resolution nuclear magnetic resonance imaging and single photon emission computerized tomography - cerebral blood flow in a case of pure sensory stroke and mild dementia owing to subcortical arteriosclerotic encephalopathy (Binswanger's disease) *Am J Physiol Imaging* 1987; 2: 192-195.
43. Henriksen O, Jensen KE, Thomsen C, Jensen KM. NMR spectroscopy in vivo of human beings at 1.5 Tesla. In: Calabro A, Leonardi M (ed.): *Computer aided neuroradiology*. CIC Edizioni Internazionali, Rome 1987: 81-88.
44. Henriksen O, Jensen KE, Thomsen C, Jensen KM, Hilsted J. In vivo magnetic resonance studies of human brain energy metabolism by 31P-spectroscopy. In: Christiansen C, Riis BJ (ed.): *Highlights on Endocrinology*. Proceedings of the 1st Congress on Endocrinology, København 1987: 417-421.
45. Malchow-Møller A, Mindeholm L, Rasmussen HS, Rasmussen B, Wilhelmsen F, Petersen JS, Jørgensen S, Hilden J, Thomsen C, Matzen P, Juhl E. Differential diagnosis of jaundice: Junior staff experience with the Copenhagen pocket chart. *Liver* 1987; 7: 333-338.
46. Krogsgaard K, Mathiesen LR, Aldershvile J, Kryger P, Andersson P, Hansson BG, Nielsen JO, Ranek L, The Copenhagen Hepatitis Acuta Programme***. Delta infection and hepatitis B virus replication in Danish patients with fulminant hepatitis B. *Scand J Infect Dis* 1988; 20: 127-133.
47. Møgelvang J, Stubgaard M, Thomsen C, Henriksen O. Evaluation of right ventricular volumes measured by magnetic resonance imaging. *Eur Heart J* 1988; 9: 529-533.
48. Malchow-Møller A, Thomsen C, Hilden J, Matzen P, Mindeholm L, Juhl E. A decision tree for early differentiation between obstructive and non-obstructive jaundice. *Scand J Gastroenterol* 1988; 23: 391-401.
49. Thomsen C, Jensen KE, Achten E, Henriksen O. In vivo magnetic resonance imaging and 31P spectroscopy of large human brain tumours at 1.5 Tesla. *Acta Radiol* 1988; 29: 77-82.
50. Kjær L, Thomsen C, Larsson HBW, Henriksen O, Ring P. Evaluation of biexponential relaxation processes by magnetic resonance imaging. A phantom study. *Acta Radiol* 1988; 29: 473-479.
51. Hilsted J, Jensen KE, Thomsen C, Larsen S, Henriksen O. Maintenance of high-energy brain phosphorous compounds during insulin-induced hypoglycaemia in men. 31P nuclear magnetic resonance spectroscopy study. *Diabetes* 1988; 37(6): 760-762.
52. Thomsen C, Henriksen O, Ring P. In vivo measurements of relaxation process in the human liver by MRI. The role of respiratory gating/triggering. *Magn Reson Imaging* 1988; 6: 431-436.

53. Jensen KE, Thomsen C, Henriksen O. In vivo measurement of intracellular pH in human brain during different tensions of carbon dioxide in arterial blood. A 31P-NMR study. *Acta Physiol Scand* 1988; 134: 295-298.
54. Jensen KE, Grube T, Thomsen C, Sørensen PG, Christoffersen P, Karle H, Henriksen O. Prolonged bone marrow T1-relaxation in patients with polycythemia vera. *Magn Reson Imaging* 1988; 6: 291-292.
55. Larsson HBW, Thomsen C, Frederiksen J, Henriksen O, Olesen J. Chemical shift selective magnetic resonance imaging of the optic nerve in patients with acute optic neuritis. *Acta Radiol* 1988; 29: 629-632.
56. Thomsen C, Jensen KE, Henriksen O. Effekten af pneumatisk tourniquet på human tværstribet skeletmuskulatur, bedømt ved 31P-NMR-spektroskopi. *Ugeskrift for Læger* 1988; 150: 1850-1852.
57. Henriksen O, Møgelvang J, Thomsen C. Magnetic resonance in clinical physiology. *Clin Physiol* 1988; 8: 541-559.
58. Iversen P, Kjær L, Thomsen C, Henriksen O. Magnetic resonance imaging of the prostate. *Scand J Urol Nephrol* 1988; 107 suppl: 14-18.
59. Jensen KE, Thomsen C, Podo F, Henriksen O. First experience with a new test object for quality control of volume selective spectroscopy. *EUROSPIN, The European Union* 1988; 16: 57-58.
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