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Carsten Thomsen

Contents

- [CV](#)
- [Personal Data](#)
- [Education](#)
- [Employment](#)
- [Dissertation for Doctor Degree](#)
- [Patent](#)
- [Member of Scientific Societies](#)
- [Award](#)
- [Supervision](#)
- [Procurement](#)
- [Others](#)
- [Clinical experience](#)
- [Theses in which one or more publications listed below have been used](#)
- [Publications](#)
- [Member of Scientific Groups](#)

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
Telephone	+45 23326951 +45 47325344
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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
Device for reducing magnetic susceptibility artefact. P4000DK00 - PA 2105 70736
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>

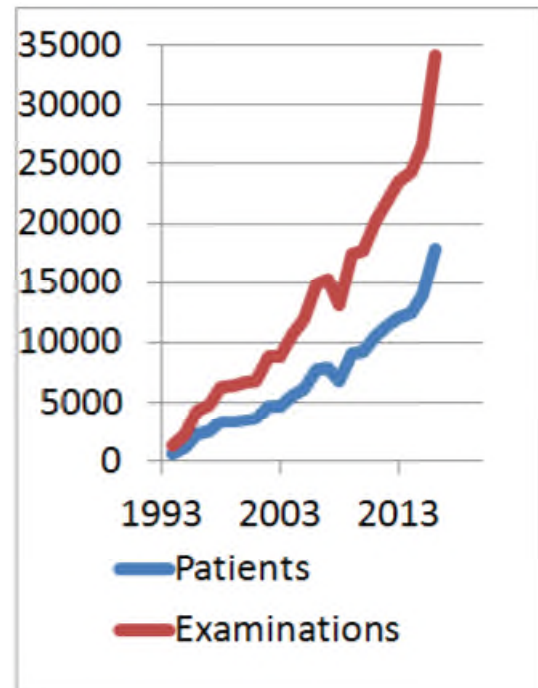
Clinical experience

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) see figure.

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 Zealand University Hospital since 2017.



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 reference 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 Research. University of Copenhagen, Denmark, 2017.
39. Ulrik Nicolaj Ascanius Feldind. Blowout fractures - clinical, imaging and applied anatomy of the orbit. University 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, Skakkebak 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, Henrik-sen 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.
60. Thomsen C, Jensen KE, Jensen KM, Henriksen O. Experiences with MR-spectroscopy of human beings. *EUROSPIN, The European Union* 1988; 16: 84.
61. Henriksen O, Thomsen C, de Certaines JD. In-vivo MRS test-objects TOs 5-6: Possible artifacts. *EUROSPIN, The European Union* 1989; 20: 34.
62. Gallier J, de Certaines JD, Henriksen O, Thomsen C. Relaxation in PO₄H₃ solutions doped with paramagnetic impurity Mn, Cu and Gd. *EUROSPIN, The European Union* 1989; 21: 123-125.
63. Thomsen C, Jensen KE, Henriksen O. In vivo measurements of T1 relaxation times of 31P-metabolites in human skeletal muscle. *Magn Reson Imaging* 1989; 7: 231-234.
64. Soelberg Sørensen P, Thomsen C, Gjerris F, Schmidt J, Kjær L, Henriksen O. Increased brain water content in pseudotumour cerebri measured by magnetic resonance imaging of brain water self diffusion. *Neurological Research* 1989; 11: 160-164.
65. Henriksen O, Ståhlberg F, Thomsen C, Møgelvang J, Persson B. In vivo evaluation of femoral blood flow measured with magnetic resonance. *Acta Radiol* 1989; 30: 153-157.
66. Kjær L, Thomsen C, Henriksen O. Evaluation of biexponential relaxation behaviour in the human brain by magnetic resonance imaging. *Acta Radiol* 1989; 30: 433-437.
67. Jensen KE, Nielsen H, Thomsen C, Sørensen PG, Karle H, Christoffersen P, Henriksen O. In vivo measurements of the T1 relaxation processes in the bone marrow in patients with myelodysplastic syndrome. A magnetic resonance imaging study. *Acta Radiol* 1989; 30: 365-368.
68. Henriksen O, Thomsen C, Jensen KE, Jensen KM. In vivo MR spectroscopy: Preliminary experience at a clinical installation. In: Dykes J, Delpy DT (eds.): *Clinical NMR spectroscopy*. London, The Institute of Physical Sciences in Medicine, Bacardo Press Ltd. 1989; 60-71.
69. Biering-Sørensen F, Thomsen C, Hilden J. Risk indicators for low back trouble. *Scand J Rehab Med* 1989; 21: 151-157.
70. Ståhlberg F, Møgelvang J, Thomsen C, Nordell B, Stubgaard M, Ericsson A, Sperber G, Greitz D, Larsson H, Henriksen O, Persson B. A method for MR quantification of flow velocities in blood and CSF using interleaved gradient-echo pulse sequences. *Magn Reson Imaging* 1989; 7: 655-667.
71. Thomsen C, Jensen KE, Henriksen O. 31P NMR measurements of T2 relaxation times of metabolites in human skeletal muscle in vivo. *Magn Reson Imaging* 1989; 7: 557-559.
72. Thomsen C, Jensen KE, Astrup A, Bülow J, Henriksen O. Changes of high-energy phosphorous compounds in skeletal muscle during glucose-induced thermogenesis in man. A 31P MR spectroscopy study. *Acta Physiol Scand* 1989; 137: 335-339.
73. Vorstrup S, Jensen KE, Thomsen C, Henriksen O, Lassen NA, Paulson OB. Neuronal pH regulation: Constant normal intracellular pH is maintained in brain during low extracellular pH induced by acetazolamide - 31P NMR study. *J Cereb Blood Flow Metab* 1989; 9: 417-421.
74. Thomsen C, Josephsen P, Karle H, Juhl E, Grundtvig Sørensen P, Henriksen O. Determination of T1- and T2-relaxation times in the spleen of patients with splenomegaly. *Magn Reson Imaging* 1990; 8: 39-42.
75. Thomsen C, Jensen KE, Jensen M, Olsen ER, Henriksen O. MR pulse sequences for selective relaxation time measurements: A phantom study. *Magn Reson Imaging* 1990; 8: 43-50.
76. Quistorff B, Nielsen S, Thomsen C, Jensen KE, Henriksen O. A simple calf muscle ergometer for use in a standard whole-body MR scanner. *Magn Reson Med* 1990; 13: 444-449.
77. Bach-Andersen R, Jacobsen S, Danneskjold-Samsøe B, Bartels E, Jensen KE, Thomsen C, Henriksen O, Arline-Søborg P. New diagnostic tools in primary fibromyalgia. Findings from the Copenhagen research group on fibromyalgia. *Advances in Pain Research and Therapy* 1990; 17: 269-276.
78. Jensen KE, Jakobsen J, Thomsen C, Henriksen O. Improved energy kinetics following high protein diet in McArdle's syndrome. A 31P magnetic resonance spectroscopy study. *Acta Neurol Scand* 1990; 81: 499-503.
79. Jensen KE, Grundtvig Sørensen P, Thomsen C, Christoffersen P, Henriksen O, Karle H. Magnetic resonance imaging of the bone marrow in patients with acute leukaemia during and after chemotherapy. Changes in T1 relaxation. *Acta Radiol* 1990; 31: 361-369.
80. Jensen KE, Thomsen C, Henriksen O, Hertz H, Johansen HK, Yssing M. Changes in T1 relaxation processes in the bone marrow following treatment in children with acute lymphoblastic leukaemia. A magnetic resonance imaging study. *Pediatr Radiol* 1990; 20: 464-468.
81. Jensen KE, Stenver D, Jensen M, Grundtvig P, Thomsen C, Karle H, Henriksen O, Nielsen B. Effects of recombinant human erythropoietin on the haemopoietic bone marrow monitored by magnetic resonance spectroscopy in patients with end-stage renal disease. *Magn Reson Imaging* 1990; 8: 237-243.
82. Sørensen PS, Thomsen C, Gjerris F, Henriksen O. Brain water accumulation in pseudotumour cerebri demonstrated by MR-imaging of brain water self-diffusion. *Acta Neurochir* 1990; 51 suppl: 363-365.
83. Thomsen C, Christoffersen P, Henriksen O, Juhl E. Prolonged T1 in patients with liver cirrhosis: An in vivo MRI study. *Magn Reson Imaging* 1990; 8: 599-604.
84. Jensen KE, Jensen M, Grundtvig P, Thomsen C, Karle H, Henriksen O. Localized in vivo proton spectroscopy of the bone marrow in patients with leukaemia. *Magn Reson Imaging* 1990; 8: 779-789.

85. Jensen KE, Sørensen PG, Thomsen C, Christoffersen P, Henriksen O, Karle H. Prolonged T1 relaxation of the hemopoietic bone marrow in patients with chronic leukaemia. *Acta Radiol* 1990; 31: 445-448.
86. Thomsen C, Ståhlberg F, Stubgaard M, Nordell B, The Scandinavian Flow Group**. Fourier analysis of cerebrospinal fluid flow velocities: MR imaging study. *Radiology* 1990; 177: 659-665.
87. Jensen KE, Stenver D, Jensen M, Sørensen PG, Karle H, Thomsen C, Henriksen O, Nielsen B. Magnetic resonance imaging of the bone marrow following treatment with recombinant human erythropoietin in patients with end-stage renal disease. *Int J Artif Organs* 1990; 13: 477-481.
88. Krogsgaard K, Wantzin P, Mathiesen LR, Sonne J, Ring-Larsen H, The Copenhagen Hepatitis Acuta Programme***. Early appearance of antibodies to hepatitis C virus in community acquired acute non-A, non-B hepatitis is associated with progression to chronic liver disease. *Scand J infect Dis* 1990; 22: 399-402.
89. Malchow-Møller A, Grønvald S, Hilden J, Juhl E, Lassen A, Matzen P, Mindeholm L, Stockholm KH, Thomsen C, Witt K. Ultrasound examination in jaundiced patients. Is computer--assisted preclassification helpful? *J Hepatol* 1991; 12: 321-326.
90. Pedersen C, Thomsen C, Arlien-Søborg P, Præstholm J, Kjær L, Boesen F, Hansen HS, Nielsen JO. Central nervous system involvement in human immunodeficiency virus disease. A prospective study including neurological examination, computerized tomography, and magnetic resonance imaging. *Danish Medical Bulletin* 1991; 38(4): 374-379.
91. Kjær L, Thomsen C, Gjerris F, Mosdal B, Henriksen O. Tissue characterization of intracranial tumours by MR imaging. In vivo evaluation of T1- and T2-relaxation behaviour at 1.5 T. *Acta Radiol* 1991; 32: 498-504.
92. Møgelvang J, Stokholm KH, Stubgaard M, Kelbæk H, Thomsen C, Henriksen O. Assessment of right ventricular volumes by Magnetic Resonance Imaging and radionuclide angiography. *Am J Noninvas Cardiol* 1991; 5: 321-327.
93. Greitz D, Nordell B, Ericsson A, Ståhlberg F, Thomsen C. Notes on the driving forces of the CSF circulation with special emphasis on the piston action of the brain. *Neuroradiology* 1991; 33 suppl: 178-181.
94. Krogsgaard K, Wantzin P, Mathiesen L, Ring-Larsen H, The Copenhagen Hepatitis Acuta Programme***. Chronic evolution of acute hepatitis B: The significance of simultaneous infections with hepatitis C and D. *Scand J Gastroenterol* 1991; 26: 275-280.
95. Ståhlberg F, Søndergaard L, Thomsen C, Henriksen O. Quantification of complex flow using MR phase imaging - A study of parameters influencing the phase/velocity relation. *Magn Reson Imaging* 1992; 10: 13-23.
96. Larsson H, Thomsen C, Frederiksen J, Stubgaard M, Henriksen O. In vivo magnetic resonance diffusion measurement in the brain of patients with multiple sclerosis. *Magn Reson Imaging* 1992; 10: 7-12.
97. Thomsen C. "Chess-board pattern" spatial modulation of magnetization. Assessment of myocardial function. *Acta Radiol* 1992; 33: 16-23.
98. Nilsson C, Ståhlberg F, Thomsen C, Henriksen O, Herning M, Owman C. Circadian variation in human cerebrospinal fluid production measured by magnetic resonance imaging. *Am J Physiol* 1992; 262: R20-R24.
99. Hirsch FR, Østerlind K, Jensen LI, Thomsen C, Peters K, Jensen F, Hansen HH. The impact of abdominal computerized tomography on the pretreatment staging and prognosis of small cell lung cancer. *Annals of Oncology* 1992; 3: 469-474.
100. Jensen LI, Hirsch FR, Peters K, Jensen F, Thomsen C. Diagnosis of abdominal metastases in small cell carcinoma of the lung: A prospective study of computer tomography and ultrasonography. *Lung Cancer* 1992; 8: 37-46.
101. Jacobsen S, Jensen KE, Thomsen C, Danneskjold-Samsøe B, Henriksen O. 31P magnetic resonance spectroscopy of skeletal muscle in patients with fibromyalgia. *J Rheumatol* 1992; 19: 1600-1603.
102. Ståhlberg F, Ericsson A, Nordell B, Thomsen C, Henriksen O, Persson BRR. MR imaging, flow and motion. *Acta Radiol* 1992; 33: 179-200.
103. Møgelvang J, Ståhlberg F, Søndergaard L, Thomsen C, Lindvig K, Henriksen O, The Scandinavian Flow Group**. Determination of cardiac output by magnetic resonance imaging. *Am J Noninvas Cardiol* 1992; 6: 201-204.
104. Søndergaard L, Thomsen C, Ståhlberg F, Gymsøe E, Lindvig K, Hildebrandt P, Henriksen O. Mitral and aortic valvular flow: Quantification with MR phase mapping. *JMRI* 1992; 2: 295-302.
105. Greitz D, Wirestam R, Frank A, Nordell B, Thomsen C, Ståhlberg F. Pulsatile brain movement and associated hydrodynamics studied by magnetic resonance phase imaging. The Monro-Kellie doctrine revisited. *Neuroradiology* 1992; 34: 370-380.
106. Thomsen C, Wiggers P, Ring-Larsen H, Christiansen E, Dalhøj J, Henriksen O, Christoffersen P. Identification of patients with hereditary haemochromatosis by magnetic resonance imaging and spectroscopic relaxation time measurements. *Magn Reson Imaging* 1992; 10: 867-879.
107. Vestergaard-Poulsen P, Thomsen C, Sinkjær T, Stubgaard M, Rosenfalk A, Henriksen O. Simultaneous electromyography and 31P nuclear magnetic resonance spectroscopy - with application to muscle fatigue. *Electroencephalography and clinical Neurophysiology* 1992; 85: 402-411.

108. Møgelvang J, Stokholm KH, Saunamäki K, Reimer A, Stubgaard M, Thomsen C, Fritz-Hansen P, Henriksen O. Assessment of left ventricular volumes by magnetic resonance in comparison with radionuclide angiography, contrast angiography and echocardiography. *Eur Heart J* 1992; 13: 1677-1683.
109. Søndergaard L, Ståhlberg F, Thomsen C, Stensgaard A, Lindvig K, Henriksen O. Accuracy and precision of MR velocity mapping in measurement of stenotic cross-sectional area, flow rate, and pressure gradient. *JMRI* 1993; 3: 433-437.
110. Søndergaard L, Lindvig K, Hildebrandt P, Thomsen C, Ståhlberg F, Joen T, Henriksen O. Quantification of aortic regurgitation by magnetic resonance velocity mapping. *Am Heart J* 1993; 125: 1081-1090.
111. Søndergaard L, Thomsen C, Ståhlberg F, Gyomose E, Lindvig K, Hildebrandt P, Henriksen O. Strømning gennem mitral - og aortaostier kvantiteret med magnetisk resonans hastighedsmåling. *Ugeskrift for Læger* 1993; 155: 1297-1302.
112. Nielsen JB, Toft PB, Reske-Nielsen E, Jensen KE, Christiansen P, Thomsen C, Henriksen O, Lou HC. Cerebral magnetic resonance spectroscopy in Rett syndrome. Failure to detect mitochondrial disorder. *Brain & Development* 1993; 15: 107-112.
113. Christiansen P, Gideon P, Thomsen C, Stubgaard M, Henriksen O, Larsson HBW. Increased water self-diffusion in chronic plaques and in apparently normal white matter in patients with multiple sclerosis. *Acta Neurol Scand* 1993; 87: 195-199.
114. Henriksen O, Larsson HBW, Ring P, Rostrup E, Stensgaard A, Stubgaard M, Ståhlberg F, Søndergaard L, Thomsen C, Toft P. Functional MR imaging at 1.5 T. Initial results using photic and motoric stimulation. *Acta Radiol* 1993; 34: 101-103.
115. Søndergaard L, Ståhlberg F, Thomsen C, Spraggins TA, Gyomose E, Malmgren L, Müller E, Henriksen O. Comparison between retrospective gating and ECG triggering in magnetic resonance velocity mapping. *Magn Reson Imaging* 1993; 11: 533-537.
116. Qi P, Thomsen C, Ståhlberg F, Henriksen O. Normal left ventricular wall motion measured with two-dimensional myocardial tagging. *Acta Radiol* 1993; 34: 450-456.
117. Thomsen C, Ståhlberg F, Henriksen O. Quantification of portal venous blood flow during fasting and after a standardized meal - a MRI phase-mapping study. *Eur Radiol* 1993; 3: 242-247.
118. Søndergaard L, Hildebrandt P, Lindvig L, Thomsen C, Ståhlberg F, Kassis E, Henriksen O. Valve area and cardiac output in aortic stenosis: Quantification by magnetic resonance velocity mapping. *Am Heart J* 1993; 127: 1156-1164.
119. Vestergaard-Poulsen P, Thomsen C, Sinkjær T, Henriksen O. Simultaneous ³¹P NMR spectroscopy and EMG in exercising and recovering human skeletal muscle: Technical aspects. *Magn Reson Med* 1994; 31: 93-102.
120. Christiansen P, Larsson HBW, Thomsen C, Wieslander S, Henriksen O. Age dependent white matter lesions and brain volume changes in healthy volunteers. *Acta Radiol* 1994; 35: 117-122.
121. Søndergaard L, Thomsen C, Henriksen O. Magnetisk resonans billeddannelse af det kardiovaskulære system. *Nordisk Medicin* 1994; 109: 107-110.
122. Gideon P, Thomsen C, Henriksen O. Increased brain water self-diffusion in normal aging. *JMRI* 1994; 4: 185-188.
123. Thomsen C, Becker U, Winkler K, Christoffersen P, Jensen M, Henriksen O. Quantification of liver fat using magnetic resonance spectroscopy. *Magn Reson Imaging* 1994; 12: 487-495.
124. Gideon P, Ståhlberg F, Thomsen C, Gjerris F, Sørensen PS, Henriksen O. Cerebrospinal fluid flow and production in patients with normal pressure hydrocephalus studied by MRI. *Neuroradiology* 1994; 36: 210-215.
125. de Poorter J, de Wagter C, de Deene Y, Thomsen C, Ståhlberg F, Achten E. The proton-resonance-frequency-shift method compared with molecular diffusion for quantitative measurement of two-dimensional time-dependent temperature distribution in a phantom. *J Magn Reson* 1994; 103B: 234-241.
126. Rostrup E, Larsson HBW, Toft PB, Garde K, Thomsen C, Ring P, Søndergaard L, Henriksen O. Functional MRI of CO₂ induced increase in cerebral perfusion. *NMR Biomed* 1994; 7: 29-34.
127. Gideon P, Thomsen C, Ståhlberg F, Henriksen O. Cerebrospinal fluid production and dynamics in normal aging: A MRI phase-mapping study. *Acta Neurol Scand* 1994; 89: 362-366.
128. Ståhlberg F, Søndergaard L, Thomsen C. MR flow quantification with cardiovascular applications - a short overview. Society of Magnetic Resonance, October 13-15, 1994, Santa Fe, New Mexico, USA.
129. Jacobsen S, Jensen KE, Thomsen C, Dannekjold-Samsøe B, Henriksen O. ³¹P magnetisk resonans spektroskopi af skeletmuskulaturen hos patienter med fibromyalgi. *Ugeskrift for Læger* 1994; 156: 6841-6844.
130. Gideon P, Thomsen C, Gjerris F, Sørensen PS, Henriksen O. Increased brain water selfdiffusion in hydrocephalus measured by MRI. *Acta Radiol.* 1994; 35: 514-519.
131. Ståhlberg F, Thomsen C, Søndergaard L, Henriksen O. Pulse sequence design for MR velocity mapping of complex flow - Notes on the necessity of low echo times. *Magn Reson Imaging.* 1994; 12: 1255-1262.
132. Nilsson C, Ståhlberg F, Gideon P, Thomsen C, Henriksen O. The nocturnal increase in human cerebrospinal fluid production is inhibited by a b₁-receptor antagonist. *Am J Physiol.* 1994; 267: R1445-R1448.

133. Plenge P, Stensgaard A, Jensen HV, Thomsen C, Møllerup ET, Henriksen O. 24-hour lithium concentration in human brain and serum studied by ⁷Li magnetic resonance spectroscopy. *Biological Psychiatry* 1995; 36: 511-516.
134. Wirestam R, André-Larsen V, Stubgaard M, Thomsen C, Vikhoff B, Larsson HBW, Ståhlberg F, Henriksen O. Deuterium magnetic resonance spectroscopy at 4.7 T: Quantification of tumour and subcutaneous tissue blood flow in animal models. *Acta Radiol.* 1995; 36: 85-91.
135. Gideon P, Sørensen PS, Thomsen C, Ståhlberg F, Gjerris F, Henriksen O. Assessment of CSF dynamics and venous flow in the superior sagittal sinus by MRI in idiopathic intracranial hypertension: A preliminary study. *Neuroradiology* 1995; 36: 350-354.
136. Masson S, Henriksen O, Stensgaard A, Thomsen C, Quistorff B. Hepatic metabolism during constant infusion of fructose; comparative studies with ³¹P-magnetic resonance spectroscopy in man and rats. *Biochimica et Biophysica Acta* 1995; 1199.
137. Gideon P, Sørensen PS, Thomsen C, Ståhlberg F, Gjerris F, Henriksen O. Increased brain water self diffusion in patients with idiopathic intracranial hypertension. *AJNR.* 1995; 16: 381-387.
138. de Poorter J, de Wagter C, de Deene Y, Thomsen C, Ståhlberg F, Achten E. Noninvasive MRI thermometry with the Proton Resonance Frequency (PRF) method: In vivo results in human Muscle. *Magn Reson Med.* 1995; 33: 74-81.
139. Thomsen C, Cortsen M, Søndergaard L, Henriksen O, Ståhlberg F. A segmented k-space velocity mapping protocol for quantification of renal artery blood flow during breath holding. *JMRI.* 1995; 4: 393-401.
140. Brockstedt S, Thomsen C, Wirestam R, de Poorter J, de Wagter C, Salford LG, Holtås S, Ståhlberg F. Use of an enhanced gradient system for diffusion MRI with motion-artifact reduction. *Acta Radiol.* 1995; 36: 662-670.
141. Nørregaard J, Bülow PM, Vestergaard-Poulsen P, Thomsen C, Danneskiold-Samsøe B. Muscle strength, voluntary activation and cross-sectional muscle area in patients with fibromyalgia. *British J of Rheumatology* 1995; 34: 925-931.
142. Vestergaard-Poulsen P, Thomsen C, Nørregaard J, Bülow P, Sinkjær T, Henriksen O. ³¹P NMR spectroscopy and EMG during exercise and recovery in fibromyalgia. *J. Rheumatol.* 1995; 2: 1544-1551.
143. Vestergaard-Poulsen P, Thomsen C, Sinkjær T, Henriksen O. Simultaneous ³¹P NMR spectroscopy and EMG in exercising and recovering human skeletal muscle: a correlation study. *J. Appl. Physiol.* 1995; 79: 1469-1478.
144. Kjør L, Ring P, Thomsen C, Henriksen O. Texture analysis in quantitative MR imaging: Tissue characterization of the normal brain and intracranial tumours at 1.5 T. *Acta Radiol.* 1995; 36: 127-135.
145. Ståhlberg F, Søndergaard L, Thomsen C. MR flow quantification with cardiovascular applications - a short overview. *Acta Paediatrica* 1995; Suppl 410: 49-56.
146. Gideon P, Thomsen C, Gjerris F, Sørensen PS, Ståhlberg F, Henriksen O. Measurement of blood flow in the superior sagittal sinus in healthy volunteers, and in patients with normal pressure hydrocephalus and idiopathic intracranial hypertension with phase-contrast cine MR imaging. *Acta Radiol.* 1996; 37:171-176.
147. Cortsen M, Petersen LJ, Ståhlberg F, Thomsen C, Søndergaard L, Petersen JR, Ladefoged SD, Henriksen O. MR velocity mapping of renal artery blood flow in patients with impaired kidney function. *Acta Radiol.* 1996; 37: 79-84.
148. Wirestam R, Greitz D, Thomsen C, Brockstedt S, Olsson MBE, Ståhlberg F. Theoretical and experimental evaluation of phase-dispersion effects due to brain motion in diffusion and perfusion magnetic resonance imaging. *JMRI* 1996; 6: 348-355.
149. Jensen HV, Plenge P, Stensgaard A, Møllerup ET, Thomsen C, Aggernæs H, Henriksen O. Twelve-hour brain lithium concentration in lithium maintenance treatment of manic-depressive disorders: daily versus alternate-day dosing schedule. *Psychopharmacology* 1996; 124: 275-278.
150. de Wagter C, de Poorter J, Thomsen C, Ståhlberg F, de Deene Y, Martens L, Achten E. Numerical procedure for the quantitative verification of magnetic resonance imaging of time-dependent temperature distributions in a phantom model. *J of Heat Transfer.* 1996; 118: 198-202.
151. Gideon P, Ståhlberg F, Thomsen C. Cerebrospinal fluid dynamics investigated by magnetic resonance imaging. *Imaging* 1996; 8: 92-102.
152. Toft PB, Leth H, Peitersen B, Lou HC, Thomsen C. The apparent diffusion coefficient of water in grey and white matter of the infant brain. *JCAT* 1996; 20: 1006-1011.
153. Wirestam R, Salford LG, Thomsen C, Brockstedt S, Persson BR, Ståhlberg F. Quantification of low-velocity motion using a navigator-echo supported MR velocity-mapping technique: application to intracranial dynamics in volunteers and patients with brain tumours. *Magn Reson Imaging* 1997;15:1-11.
154. Krabbe K, Gideon P, Wagn P, Hansen U, Thomsen C, Madsen F. MR diffusion imaging of human intracranial tumours. *Neuroradiology* 1997 ;39:483-9.
155. Wirestam R, Brockstedt S, Lindgren A, Geijer B, Thomsen C, Holtas S, Ståhlberg F. The perfusion fraction in volunteers and in patients with ischaemic stroke. *Acta Radiol* 1997;38:961-4.
156. Brockstedt S, Thomsen C, Wirestam R, Holtas S, Ståhlberg F. Quantitative diffusion coefficient maps using fast spin-echo MRI. *Magn Reson Imaging* 1998 ;16:877-86

157. Stahlberg F, Brockstedt S, Thomsen C, Wirestam R. Single-shot diffusion-weighted echo-planar imaging of normal and cirrhotic livers using a phased-array multicoil. *Acta Radiol* 1999;40:339. Comment on: *Acta Radiol* 1998 ;39:440-2
158. Brockstedt S, Borg M, Geijer B, Wirestam R, Thomsen C, Holtas S, Stahlberg F. Triggering in quantitative diffusion imaging with single-shot EPI. *Acta Radiol* 1999 ;40:263-9
159. Søndergaard L, Ståhlberg F, Thomsen C. Magnetic resonance imaging of valvular heart disease. *JMRI* 1999;10:627-38.
160. Danielsen ER, Brennum J, Thomsen C. Månedens billede. [Picture of the month. Intracranial abscess]. *Ugeskrift for Læger* 2000; 162: 941
161. Søndergaard L, Aldershvile J, Hildebrandt P, Kelbaek H, Stahlberg F, Thomsen C. Vasodilatation with felodipine in chronic asymptomatic aortic regurgitation. *Am Heart J*. 2000;139: 667-74.
162. Brockstedt S, Moore JR, Thomsen C, Holtas S, Stahlberg F. High-resolution diffusion imaging using phase-corrected segmented echo-planar imaging. *Magn Reson Imaging*. 2000 ;18: 649-57.
163. Iida H, Law I, Pakkenberg B, Krarup-Hansen A, Eberl S, Holm S, Hansen AK, Gundersen HJ, Thomsen C, Svarer C, Ring P, Friberg L, Paulson OB. Quantitation of regional cerebral blood flow corrected for partial volume effect using O-15 water and PET: I. Theory, error analysis, and stereologic comparison. *J Cereb Blood Flow Metab*. 2000; 20: 1237-51.
164. Parkkola RK, Komu ME, Kotilainen EM, Valtonen SO, Thomsen C, Gideon P. Cerebrospinal fluid flow in patients with dilated ventricles studied with MR imaging. *Eur Radiol*. 2000;10:1442-6.
165. Parkkola RK, Rytökoski UM, Komu MSE, Thomsen C. Cerebrospinal fluid flow in the cervical spinal canal in patients with chronic neck pain. *Acta Radiol* 2000; 41: 578-583.
166. Danielsen ER, Thomsen C. Lactate and other metabolic changes in neuronal migration disorders. Comment on: *Epilepsia* 1999; 40:872-879. *Epilepsia* 2001; 42:289-290.
167. Parkkola RK, Komu ME, Äärimala TM, Alanen MS, Thomsen C. Cerebrospinal fluid flow in children with normal and dilated ventricles studied by MR imaging. *Acta Radiol* 2001, 42: 33-38.
168. Gideon P, Thomsen C. Diffusionsvægtet MR-billeddannelse af hjernen. *Ugeskrift for Læger* 2001; 163: 4354-4357.
169. Danielsen ER, Thomsen C. Proton MRS: Et prognostisk og diagnostisk redskab ved diffuse hjernelidelser. *Ugeskrift for Læger* 2001; 163: 4358-4364.
170. Eiberg JP, Lundorf E, Thomsen C, Schroeder TV. Peripheral vascular surgery and magnetic resonance arteriography--a review. *Eur J Vasc Endovasc Surg*. 2001; 22: 396-402.
171. Schou M, Pump B, Gabrielsen A, Thomsen C, Christensen NJ, Warberg Norsk P. Cardiovascular and neuroendocrine responses to left lateral position in non-obese young males. *J Gravitational Physiology* 2001; 8: 15-20.
172. Borgwardt L, Danielsen ER, Borch K, Thomsen C, Højgaard L. Prognostisk værdi af PET og MRS ved evaluering af cerebral status hos børn. *Ugeskrift for Læger* 2002; 143: 642-644.
173. Eiberg JP, Lundorf E, Thomsen C, Schroeder TV. Magnetic resonance arteriography in peripheral vascular surgery. A new, non-invasive method for visualization of arteries. *Ugeskr Læger*. 2002; 164: 2490-2494.
174. Elberling TV, Danielsen ER, Rasmussen ÅK, Feldt-Rasmussen U, Waldemar G, Thomsen C. Reduced myo-inositol and total choline measured with cerebral MRS in acute thyrotoxic Graves' disease. *Neurology* 2003; 60: 142-5.
175. Danielsen ER, Christensen PB, Arlien-Soborg P, Thomsen C. Axonal recovery after severe traumatic brain injury demonstrated in vivo by 1H MR spectroscopy. *Neuroradiology* 2003; 45(10): 722-4.
176. Toft PB, Herning M, Thomsen C. Øjenlægens brug af magnetisk resonans. *Oftalmolog* 2004; 24: 13-5.
177. Borgwardt L, Højgaard L, Carstensen H, Laursen H, Nowak M, Thomsen C, Schmiegelow K. Increased fluorine-18 2-fluoro-2-deoxy-D-glucose (FDG) uptake in childhood CNS tumors is correlated with malignancy grade: a study with FDG positron emission tomography/magnetic resonance imaging coregistration and image fusion. *J Clin Oncol*. 2005;23:3030-7.
178. Nielsen HB, Thomsen C, Chen X, Andersen CB, Toft BG, Søndergaard L, Haunsø S, Svendsen JH. Arrhythmogenic Right Ventricular Cardiomyopathy: A Presentation of Thirty Consecutive Patients. *Heart Drug* 2005; 5: 146-52.
179. Boesen M, Jensen KE, Qvistgaard E, Danneskiold-Samsoe B, Thomsen C, Ostergaard M, Bliddal H. Delayed gadolinium-enhanced magnetic resonance imaging (dGEMRIC) of hip joint cartilage: Better cartilage delineation after intra-articular than intravenous gadolinium injection. *Acta Radiol*. 2006;47:391-6.
180. Rappoport ED, Loft A, Berthelsen AK, von der Recke P, Larsen PN, Mogensen M, Wettergren A, Rasmussen A, Hillingsøe J, Kirkegaard P, Thomsen C. Contrast-Enhanced FDG-PET/CT vs. SPIO-Enhanced MRI vs. FDG-PET vs. CT in Patients with Liver Metastases from Colorectal Cancer: A Prospective Study with Intraoperative Confirmation. *Acta Radiol*. 2007;48:369-378.
181. Abdulahad LH, Bollinger B, Thomsen C. Septisk vana ophthalmica superior-trombose. *Ugeskr Læger* 2007;169:1801-2.
182. Bandholm T, Sonne-Holm S, Thomsen C, Bencke J, Pedersen SA, Jensen BR. Calf muscle volume estimates: implications for botulinum toxin treatment? *Pediatr Neurol*. 2007;37:263-9.
183. Udesen J, Gran F, Hansen KL, Jensen JA, Thomsen C, Nielsen MB. Fast Blood Vector Velocity Imaging: Simulations and Preliminary in vivo Results. *IEEE Ultrasound, New York* 2007; 1005-8.

184. Hansen KL, Udesen J, Thomsen C, Jensen JA, Nielsen MB. Validation of Transverse Oscillation Vector Velocity Estimations in-vivo. *IEEE Ultrason*, New York 2007; 1093-6.
185. Marklund M, Torp-Pedersen S, Bentzon N, Thomsen C, Roslind A, Nolsoe CP. Contrast kinetics of the malignant breast tumour-Border versus centre enhancement on dynamic midfield MRI. *Eur J Radiol*. 2008;65:279-85.
186. Danielsen ER, Elberling TV, Rasmussen AK, Dock J, Hørding M, Perrild H, Waldemar G, Feldt-Rasmussen U, Thomsen C. Reduced parieto-occipital white matter glutamine measured by proton magnetic resonance spectroscopy in treated graves' disease patients. *J Clin Endocrinol Metab*. 2008;93:3192-8.
187. Olsen RH, Krogh-Madsen R, Thomsen C, Booth FW, Pedersen BK. Metabolic responses to reduced daily steps in healthy nonexercising men. *JAMA*. 2008;299:1261-3.
188. Thomsen C. [Picture of the month: intracranial gas] *Ugeskr Laeger*. 2008;170:754.
189. Udesen J, Gran F, Hansen KL, Jensen JA, Thomsen C, Nielsen MB. High frame-rate blood vector velocity imaging using plane waves: simulations and preliminary experiments. *IEEE Trans Ultrason Ferroelectr Freq Control*. 2008;55:1729-43.
190. L Laurell, M Court-Payen, S Nielsen, M Zak, C Thomsen, M Boesen, A Fasth. Place de l'Echographie dans la prise en charge et le traitement de l'Arthrite Juvénile Idiopathique. In: *Actualités en échographie de l'appareil locomoteur*. Brasseur J-L, Zeitoun-Eiss D, Renoux J, Grenier P (eds.), Sauramps Médical, France. December 2008.
191. Hansen KL, Udesen J, Oddershede N, Henze L, Thomsen C, Jensen JA, Nielsen MB. In-vivo evaluation of tree ultrasound vector velocity techniques with MR angiography. *Proc IEEE Ultrason Symp*. 2008:1060-3.
192. Marklund M, Christensen R, Torp-Pedersen S, Thomsen C, Nolsøe CP. Signal intensity of normal breast tissue at MR mammography on midfield: Applying a random coefficient model evaluating the effect of doubling the contrast dose. *Eur J Radiol*. 2009;69:93-101.
193. Hansen KL, Udesen J, Thomsen C, Jensen JA, Nielsen MB. In-vivo validation of a blood vector velocity estimator with MR angiography. *IEEE UFFC* 2009;56:91-100.
194. Kupers R, Danielsen ER, Kehlet H, Christensen R, Thomsen C. Painful tonic heat stimulation induces GABA accumulation in the prefrontal cortex in man. *Pain*. 2009;142:89-93.
195. Kondziella D, Danielsen ER, Hansen K, Thomsen C, Jansen EC, Arlien-Soeborg P. 1H MR spectroscopy of gray and white matter in carbon monoxide poisoning. *J Neurol*. 2009;256:970-9.
196. Hansen KL, Udesen J, Oddershede N, Henze L, Thomsen C, Jensen JA, Nielsen MB. In-vivo comparison of tree ultrasound vector velocity techniques to MR phase contrast angiography. *Ultrasonics*. 2009;49:659-67.
197. Akerstrom TC, Fischer CP, Plomgaard P, Thomsen C, van Hall G, Pedersen BK. Glucose ingestion during endurance training does not alter adaptation. *J Appl Physiol*. 2009; 106:1771-9.
198. Svenstrup K, Giraud G, Boespflug-Tanguy O, Danielsen ER, Thomsen C, Rasmussen K, Law I, Vogel A, Stokholm J, Crone C, Hjeremind LE, Nielsen JE. Hereditary spastic paraplegia caused by the PLP1 "rumpshaker mutation". *J Neurol Neurosurg Psychiatry*. 2010;81:666-72.
199. Al-Sabagh KH, Christensen BE, Thøgersen AM, Petersen HH, Videbæk R, Pehrson S, Chen X, Thomsen C, Svendsen H. Sikkerhed af magnetisk resonans-skanning hos patienter med pacemaker om implanterbar defibrillator. *Ugeskr Læger* 2010;172:1740-4.
200. Strukturelle billeddannende undersøgelser Aase Wagner og Carsten Thomsen in *Klinisk Neurologi og Neurokirurgi* ed. Paulson OB, Gjerris F and Sørensen PS. 5. udgave FADL's Forlag 2010. ISBN 978-87-7749-550-2
201. Bang CN, Obel A, Thomsen C, Obel N. [Diffusion-weighted imaging can differentiate cerebral abscesses from tumours of the brain.]. *Ugeskr Laeger*. 2011;173:1364-1366.
202. Laurell L, Court-Payen M, Nielsen S, Zak M, Thomsen C, Miguel-Pérez M, Fasth A. Ultrasonography and color Doppler of proximal gluteal enthesitis in juvenile idiopathic arthritis: a descriptive study. *Pediatr Rheumatol*. 2011;9:1-13.
203. Poulsen ML, Gimsing S, Kosteljanetz M, Møller HU, Brandt CA, Thomsen C, Bisgaard ML. von Hippel-Lindau disease: Surveillance strategy for endolymphatic sac tumors. *Genet Med*. 2011;13:1032-41.
204. Lønborg J, Vejstrup N, Mathiasen AB, Thomsen C, Jensen JS, Engstrøm T. Myocardial area at risk and salvage measured by T2-weighted cardiovascular magnetic resonance: reproducibility and comparison of two T2-weighted protocols. *J Cardiovasc Magn Reson*. 2011;13:50.
205. Gavassini BF, Carboni N, Nielsen JE, Danielsen ER, Thomsen C, Svenstrup K, Bello L, Maioli MA, Marrosu G, Ticca AF, Mura M, Marrosu MG, Soraru G, Angelini C, Vissing J, Pegoraro E. Clinical and molecular characterization of limb-girdle muscular dystrophy due to LAMA2 mutations. *Muscle Nerve*. 2011;44:703-9.
206. Nassehi D, Dyrbye H, Andresen M, Thomsen C, Juhler M, Laursen H, Broholm H. Vascular endothelial growth factor A protein level and gene expression in intracranial meningiomas with brain edema. *APMIS*. 2011;119:831-43.
207. Pedersen M, Pedersen KK, Bruunsgaard H, Krabbe KS, Thomsen C, Færch K, Pedersen BK, Mortensen EL. Cognitive functions in middle aged individuals are related to metabolic disturbances and aerobic capacity: a cross-sectional study. *PLoS One*. 2012;7(12):e51132.

208. Krogh J, Videbech P, Thomsen C, Gluud C, Nordentoft M. DEMO-II trial. Aerobic exercise versus stretching exercise in patients with major depression-a randomised clinical trial. *PLoS One*. 2012;7(10):e48316.
209. Wanscher M, Agersnap L, Ravn J, Yndgaard S, Nielsen JF, Danielsen ER, Hassager C, Romner B, Thomsen C, Barnung S, Lorentzen AG, Høgenhaven H, Davis M, Møller JE. Outcome of accidental hypothermia with or without circulatory arrest: experience from the Danish Præstø Fjord boating accident. *Resuscitation*. 2012 Sep;83(9):1078-84.
210. Knudsen SH, Hansen LS, Pedersen M, Dejgaard T, Hansen J, Hall GV, Thomsen C, Solomon TP, Pedersen BK, Krogh-Madsen R. Changes in insulin sensitivity precede changes in body composition during 14 days of step reduction combined with overfeeding in healthy young men. *J Appl Physiol*. 2012 Jul;113(1):7-15.
211. Jønch AE, Danielsen ER, Thomsen C, Meden P, Svenstrup K, Nielsen JE. Intravenous immunoglobulin treatment in a patient with adrenomyeloneuropathy. *BMC Neurol*. 2012 Sep 26;12:108.
212. Karstoft K, Winding K, Knudsen SH, Nielsen JS, Thomsen C, Pedersen BK, Solomon TP. The effects of free-living interval-walking training on glycemic control, body composition, and physical fitness in type 2 diabetic patients: a randomized, controlled trial. *Diabetes Care*. 2013 Feb;36(2):228-36.
213. Abildgaard J, Pedersen AT, Green CJ, Harder-Lauridsen NM, Solomon TP, Thomsen C, Juul A, Pedersen M, Pedersen JT, Mortensen OH, Pilegaard H, Pedersen BK, Lindegaard B. Menopause is associated with decreased whole body fat oxidation during exercise. *Am J Physiol Endocrinol Metab*. 2013 Jun;304(11):E1227-36.
214. Mathiasen AB, Hansen L, Friis T, Thomsen C, Bhakoo K, Kastrup J. Optimal labeling dose, labeling time, and magnetic resonance imaging detection limits of ultrasmall superparamagnetic iron-oxide nanoparticle labeled mesenchymal stromal cells. *Stem Cells Int*. 2013;2013:353105.
215. Danielsen ER, Lund AM, Thomsen C. Cerebral Magnetic Resonance Spectroscopy Demonstrates Long-Term Effect of Bone Marrow Transplantation in α -annosidosis. *JIMD Rep*. 2013;11:49-52.
216. Hvid T, Winding K, Rinnov A, Dejgaard T, Thomsen C, Iversen P, Brasso K, Mikines KJ, van Hall G, Lindegaard B, Solomon TP, Pedersen BK. Endurance training in prostate cancer patients treated with androgen deprivation therapy. *Endocr Relat Cancer*. 2013 Aug 19;20(5):621-32.
217. Nassehi D, Sørensen LP, Dyrbye H, Thomsen C, Juhler M, Laursen H, Broholm H. Peritumoral brain edema in angiomatous supratentorial meningiomas: an investigation of the vascular endothelial growth factor A pathway. *APMIS*. 2013 Nov;121(11):1025-1036.
218. Pedersen KK, Pedersen M, Trøseid M, Gaardbo JC, Lund TT, Thomsen C, Gerstoft J, Kvale D, Nielsen SD. Microbial Translocation in HIV Infection is Associated with Dyslipidemia, Insulin Resistance, and Risk of Myocardial Infarction. *J Acquir Immune Defic Syndr*. 2013 Dec 15;64(5):425-33.
219. Kyhl K, Ahtarovski KA, Iversen K, Thomsen C, Vejstrup N, Engstrøm T, Madsen PL. The decrease of cardiac chamber volumes and output during positive-pressure ventilation. *Am J Physiol Heart Circ Physiol*. 2013 Oct;305(7)
220. de la Motte L, Pedersen MM, Thomsen C, Vogt K, Schroeder TV, Lonn L. Categorization of aortic aneurysm thrombus morphology by magnetic resonance imaging. *Eur J Radiol*. 2013 Oct;82(10):e544-9.
221. Binderup ML, Gimsing S, Kosteljanetz M, Thomsen C, Bisgaard ML. von Hippel-Lindau disease: Deafness due to a non-MRI-visible endolymphatic sac tumor despite targeted screening. *Int J Audiol*. 2013 Nov;52(11):771-5.
222. Kølke SF, Fischer-Nielsen A, Mathiasen AB, Elberg JJ, Oliveri RS, Glovinski PV, Kastrup J, Kirchhoff M, Rasmussen BS, Talman ML, Thomsen C, Dickmeiss E, Drzewiecki KT. Enrichment of autologous fat grafts with ex-vivo expanded adipose tissue-derived stem cells for graft survival: a randomised placebo-controlled trial. *Lancet*. 2013 Sep 28;382(9898):1113-20.
223. Roos P, Svenstrup K, Danielsen ER, Thomsen C, Nielsen JE. CYP7B1: novel mutations and magnetic resonance spectroscopy abnormalities in hereditary spastic paraplegia type 5A. *Acta Neurol Scand*. 2014 May;129(5):330-4.
224. Simonsen AH, Mattila J, Hejl AM, Garde E, van Gils M, Thomsen C, Löjtjönen J, Soininen H, Waldemar G. Application of the PredictAD Decision Support Tool to a Danish Cohort of Patients with Alzheimer's Disease and Other Dementias. *Dement Geriatr Cogn Disord*. 2014;37(3-4):207-13.
225. Damsgaard TM. Stamceller brugt til lipotransplantation ved rekonstruktiv kirurgi. *Ugeskr Læger* 175/45: 2695 Medicinske nyheder - Kølke SF, Fischer-Nielsen A, Mathiasen AB, Elberg JJ, Oliveri RS, Glovinski PV, Kastrup J, Kirchhoff M, Rasmussen BS, Talman ML, Thomsen C, Dickmeiss E, Drzewiecki KT. Enrichment of autologous fat grafts with ex-vivo expanded adipose tissue-derived stem cells for graft survival: a randomised placebo-controlled trial. *Lancet*. 2013 Sep 28;382(9898):1113-20.
226. Krogh-Madsen R, Pedersen M, Solomon TP, Knudsen SH, Hansen LS, Karstoft K, Lehrskov-Schmidt L, Pedersen KK, Thomsen C, Holst JJ, Pedersen BK. Normal physical activity obliterates the deleterious effects of a high-caloric intake. *J Appl Physiol* (1985). 2014 Feb 1;116(3):231-9.

227. Binderup ML, Bisgaard ML, Harbud V, Møller HU, Gimsing S, Friis-Hansen L, Hansen Tv, Bagi P, Knigge U, Kosteljanetz M, Bøgeskov L, Thomsen C, Gerdes AM, Ousager LB, Sunde L. Von Hippel-Lindau disease (vHL). *Dan Med J*. 2013 Dec;60(12):B4763
228. Hofland KF, Hansen S, Sorensen M, Engelholm S, Schultz HP, Muhic A, Grunnet K, Ask A, Costa JC, Kristiansen C, Thomsen C, Poulsen HS, Lassen U. Neoadjuvant bevacizumab and irinotecan versus bevacizumab and temozolomide followed by concomitant chemoradiotherapy in newly diagnosed glioblastoma multiforme: A randomized phase II study. *Acta Oncol*. 2014 Jul;53(7):939-44.
229. Krogh J, Rostrup E, Thomsen C, Elfving B, Videbech P, Nordentoft M. The effect of exercise on hippocampal volume and neurotrophines in patients with major depression--a randomized clinical trial. *J Affect Disord*. 2014 Aug;165:24-30.
230. Al-Bakri M, Rasmussen AK, Thomsen C, Toft PB. Orbital Volumetry in Graves' Orbitopathy: Muscle and Fat Involvement in relation to Dysthyroid Optic Neuropathy. *ISRN Ophthalmol*. 2014 Apr 2;2014:435276.
231. Dahlqvist JR, Vissing CR, Thomsen C, Vissing J. Severe paraspinal muscle involvement in facioscapulohumeral muscular dystrophy. *Neurology*. 2014 Sep 23;83(13):1178-83.
232. Alanin MC, Klausen C, Caye-Thomasen P, Thomsen C, Fugleholm K, Poulsgaard L, Lassen U, Mau-Sorensen M, Hofland KF. The effect of bevacizumab on vestibular schwannoma tumour size and hearing in patients with neurofibromatosis type 2. *Eur Arch Otorhinolaryngol*. 2015 Dec;272(12):3627-33.
233. Bruun M, Hjermand LE, Thomsen C, Danielsen E, Thomsen LL, Pinborg LH, Khabbazbavani N, Nielsen JE. Familial hemiplegic migraine type 1 associated with parkinsonism: a case report. *Case Rep Neurol*. 2015 Apr 14;7(1):84-9.
234. Wiberg S, Schoos M, Sillesen H, Thomsen C, Hassager C, Steinbrüchel D, Schroeder T, Clemmensen P, Kelbæk H. Cerebral lesions in patients undergoing coronary artery bypass grafting in relation to asymptomatic carotid and vertebral artery stenosis. *Ann Vasc Dis*. 2015;8(1):7-13.
235. Jensen AS, Idorn L, Thomsen C, von der Recke P, Mortensen J, Sørensen KE, Thilén U, Nagy E, Kofoed KF, Ostrowski SR, Søndergaard L. Prevalence of cerebral and pulmonary thrombosis in patients with cyanotic congenital heart disease. *Heart*. 2015;101(19):1540-6.
236. Ewertsen C, Kondziella D, Danielsen ER, Thomsen C. Good outcome after posterior reversible encephalopathy syndrome (PRES) despite elevated lactate: a case report. *Acta Radiol Open*. 2015 Jun 30;4(6):2058460115578324. doi: 10.1177/2058460115578324. eCollection 2015 Jun.
237. Strukturelle billeddannende undersøgelser Carsten Thomsen og Vibeke Fink-Jensen in *Klinisk Neurologi og Neurokirurgi* ed. Paulson OB, Gjerris F and Sørensen PS. 6. udgave FADL's Forlag 2015. ISBN 978-87-7749-785-8
238. Alanin MC, Klausen C, Caye-Thomasen P, Thomsen C, Fugleholm K, Poulsgaard L, Lassen U, Mau-Sorensen M, Hofland KF. Effect of bevacizumab on intracranial meningiomas in patients with neurofibromatosis type 2 - a retrospective case series. *Int J Neurosci*. 2016 Nov;126(11):1002-6.
239. Jensen P, Meden P, Knudsen LV, Knudsen GM, Thomsen C, Feng L, Pinborg LH. Golf handicap score is a suitable scale for monitoring rehabilitation after apoplexia cerebri. *Ugeskr Laeger*. 2015;177:2532-3.
240. Vedel AG, Holmgaard F, Rasmussen LS, Paulson OB, Thomsen C, Danielsen ER, Langkilde A, Goetze JP, Lange T, Ravn HB, Nilsson JC. Perfusion Pressure Cerebral Infarct (PPCI) trial - the importance of mean arterial pressure during cardiopulmonary bypass to prevent cerebral complications after cardiac surgery: study protocol for a randomised controlled trial. *Trials*. 2016 May 17;17(1):247.
241. Vedel AG, Holmgaard F, Rasmussen LS, Paulson OB, Thomsen C, Danielsen ER, Langkilde A, Goetze JP, Lange T, Ravn HB, Nilsson JC. Perfusion Pressure Cerebral Infarct (PPCI) trial - the importance of mean arterial pressure during cardiopulmonary bypass to prevent cerebral complications after cardiac surgery: study protocol for a randomised controlled trial. *Trials*. 2016 May 17;17(1):247. doi: 10.1186/s13063-016-1373-6. Erratum in: *Trials*. 2017 Jan 12;18(1):15.
242. Løkken N, Hedermann G, Thomsen C, Vissing J. Contractile properties are disrupted in Becker muscular dystrophy, but not in limb girdle type 2I. *Ann Neurol*. 2016 Sep;80(3):466-71
243. Bertelsen L, Svendsen JH, Køber L, Haugan K, Højberg S, Thomsen C, Vejstrup N. Flow measurement at the aortic root - impact of location of through-plane phase contrast velocity mapping. *J Cardiovasc Magn Reson*. 2016 Sep 7;18(1):55.
244. Glovinski PV, Herly M, Møller FC, Elberg JJ, Kølbe ST, Fischer-Nielsen A, Thomsen C, Drzewiecki KT. Avoiding a Systematic Error in Assessing Fat Graft Survival in the Breast with Repeated Magnetic Resonance Imaging. *Plast Reconstr Surg Glob Open*. 2016 Sep 8;4(9):e1023.
245. Oestergaard ST, Stojkovic T, Dahlqvist JR, Bouchet-Seraphin C, Nectoux J, Leturcq F, Cossée M, Solé G, Thomsen C, Krag TO, Vissing J. Muscle involvement in limb-girdle muscular dystrophy with GMPPB deficiency (LGMD2T). *Neurol Genet*. 2016 Oct 11;2(6):e112.
246. Harder-Lauridsen NM, Nielsen ST, Mann SP, Lyngbæk MP, Benatti FB, Langkilde AR, Law I, Wedell-Neergaard AS, Thomsen C, Møller K, Karstoft K, Pedersen BK, Krogh-Madsen R. The effect of alternate-day caloric restriction on the metabolic consequences of 8 days of bed rest in healthy lean men: a randomized trial. *J Appl Physiol* (1985). 2017 Feb 1;122(2):230-241.
247. Borgwardt L, Danielsen ER, Thomsen C, Månsson JE, Taouatas N, Thuesen AM, Olsen KJ, Fogh J, Dali CI, Lund AM. Alpha-mannosidosis: characterization of CNS pathology and correlation between CNS pathology and cognitive function. *Clin Genet*. 2015 Jul 23. doi: 10.1111/cge.12642.

248. Jørgensen LM, Weikop P, Villadsen J, Visnapuu T, Ettrup A, Hansen HD, Baandrup AO, Andersen FL, Bjarkam CR, Thomsen C, Jespersen B, Knudsen GM. Cerebral 5-HT release correlates with [11C] Cimbi36 PET measures of 5-HT_{2A} receptor occupancy in the pig brain. *J Cereb Blood Flow Metab.* 2017 Feb;37(2):425-434.
249. da Cunha-Bang S, Hjordt LV, Perfalk E, Beliveau V, Bock C, Lehel S, Thomsen C, Sestoft D, Svarer C, Knudsen GM. Serotonin 1B Receptor Binding Is Associated With Trait Anger and Level of Psychopathy in Violent Offenders. *Biol Psychiatry.* 2017 Aug 15;82(4):267-274.
250. Bertelsen L, Petersen HH, Philbert BT, Svendsen JH, Thomsen C, Vejstrup N. Safety of magnetic resonance scanning without monitoring of patients with pacemakers. *Europace.* 2017 May 1;19(5):818-823.
251. Dahlqvist JR, Vissing CR, Hedermann G, Thomsen C, Vissing J. Fat Replacement of Paraspinal Muscles with Aging in Healthy Adults. *Med Sci Sports Exerc.* 2017 Mar;49(3):595-601.
252. Langhoff L, Grønbeck L, von Huth S, Axelsson A, Jørgensen C, Thomsen C, Vejstrup N. Placental Growth during Normal Pregnancy - A Magnetic Resonance Imaging Study. *Gynecol Obstet Invest.* 2017;82(5):462-467.
253. Holbek S, Ewertsen C, Bouzari H, Pihl MJ, Hansen KL, Stuart MB, Thomsen C, Nielsen MB, Jensen JA. Ultrasonic 3-D vector flow method for quantitative in vivo peak velocity and flow rate estimation. *IEEE Trans Ultrason Ferroelectr Freq Control.* 2017 Mar;64(3):544-554.
254. Andersen G, Dahlqvist JR, Vissing CR, Heje K, Thomsen C, Vissing J. MRI as outcome measure in facioscapulohumeral muscular dystrophy: 1-year follow-up of 45 patients. *J Neurol.* 2017 Mar;264(3):438-447.
255. Herly M, Ørholt M, Glovinski PV, Pipper CB, Broholm H, Poulsgaard L, Fugleholm K, Thomsen C, Drzewiecki KT. Quantifying Long-term Retention of Excised Fat Transplants: A Longitudinal, Retrospective Cohort Study of 108 Patients Followed for up to 8.4 years. *Plast Reconstr Surg.* 2017 May;139(5):1223-1232.
256. da Cunha-Bang S, Fisher PM, Hjordt LV, Perfalk E, Persson Skibsted A, Bock C, Ohlhues Baandrup A, Deen M, Thomsen C, Sestoft DM, Knudsen GM. Violent offenders respond to provocations with high amygdala and striatal reactivity. *Soc Cogn Affect Neurosci.* 2017 May 1;12(5):802-810.
257. Harder-Lauridsen NM, Rosenberg A, Benatti FB, Damm JA, Thomsen C, Mortensen EL, Pedersen BK, Krogh-Madsen R. Ramadan model of intermittent fasting for 28 d had no major effect on body composition, glucose metabolism, or cognitive functions in healthy lean men. *Nutrition.* 2017 May;37:92-103.
258. Holbek S, Hansen KL, Bouzari H, Ewertsen C, Stuart MB, Thomsen C, Nielsen MB, Jensen JA. Common Carotid Artery Flow Measured by 3-D Ultrasonic Vector Flow Imaging and Validated with Magnetic Resonance Imaging. *Ultrasound Med Biol.* 2017 Oct;43(10):2213-2220.
259. Grønhoj C, Jensen DH, Glovinski PV, Jensen SB, Bardow A, Oliveri RS, Specht L, Thomsen C, Darkner S, Kiss K, Fischer-Nielsen A, von Buchwald C. First-in-man mesenchymal stem cells for radiation-induced xerostomia (MESRIX): study protocol for a randomized controlled trial. *Trials.* 2017 Mar 7;18(1):108.
260. Celicanin M, Blaabjerg M, Maersk-Møller C, Beniczky S, Marner L, Thomsen C, Bach FW, Kondziella D, Andersen H, Somnier F, Illes Z, Pinborg LH. Autoimmune encephalitis associated with voltage-gated potassium channels-complex and leucine-rich glioma-inactivated 1 antibodies - a national cohort study. *Eur J Neurol.* 2017 Aug;24(8):999-1005.
261. Foged MT, Lindberg U, Vakamudi K, Larsson HBW, Pinborg LH, Kjær TW, Fabricius M, Svarer C, Ozenne B, Thomsen C, Beniczky S, Paulson OB, Posse S. Safety and EEG data quality of concurrent high-density EEG and high-speed fMRI at 3 Tesla. *PLoS One.* 2017 May 26;12(5):e0178409.
262. Feng L, Jensen P, Thomsen G, Dyssegaard A, Svarer C, Knudsen LV, Møller K, Thomsen C, Mikkelsen JD, Guilloteau D, Knudsen GM, Pinborg LH. The Variability of Translocator Protein Signal in Brain and Blood of Genotyped Healthy Humans Using In Vivo (123)I-CLINDE SPECT Imaging: A Test-Retest Study. *J Nucl Med.* 2017 Jun;58(6):989-995.
263. Knudsen A, Thomsen C, Wiese L. Staphylococcus aureus Bacteremia from Diffuse Muscular Infection Following Acupuncture Visualized by (18)F-FDG PET/CT and MRI. *Diagnostics (Basel).* 2017 Nov 30;7(4).
264. Felding UA, Karnov K, Clemmensen A, Thomsen C, Darvann TA, Buchwald CV, Trandum-Jensen J. An Applied Anatomical Study of the Ethmoidal Arteries: Computed Tomographic and Direct Measurements in Human Cadavers. *J Craniofac Surg.* 2018 Jan;29(1):212-216.
265. Vedel AG, Holmgaard F, Rasmussen LS, Langkilde A, Paulson OB, Lange T, Thomsen C, Olsen PS, Ravn HB, Nilsson JC. High-Target vs Low-Target Blood Pressure Management During Cardiopulmonary Bypass to Prevent Cerebral Injury in Cardiac Surgery Patients - A Randomized Controlled Trial. *Circulation.* 2018 Apr 24;137(17):1770-1780.
266. Deen M, Hansen HD, Hougaard A, da Cunha-Bang S, Nørgaard M, Svarer C, Keller SH, Thomsen C, Ashina M, Knudsen GM. Low 5-HT_{1B} receptor binding in the migraine brain: A PET study. *Cephalalgia.* 2018 Mar;38(3):519-527.
267. Hedermann G, Dahlqvist JR, Løkken N, Vissing CR, Knak KL, Andersen LK, Thomsen C, Vissing J. Progressive fat replacement of muscle contributes to the disease mechanism of patients with single, large-scale deletions of mitochondrial DNA. *Neuromuscul Disord.* 2018 May;28(5):408-413.

268. Grønhoj C, Jensen DH, Vester-Glowinski P, Jensen SB, Bardow A, Oliveri RS, Fog LM, Specht L, Thomsen C, Darkner S, Jensen M, Müller V, Kiss K, Agander T, Andersen E, Fischer-Nielsen A, von Buchwald C. Safety and Efficacy of Mesenchymal Stem Cells for Radiation-Induced Xerostomia: A Randomized, Placebo-Controlled Phase 1/2 Trial (MESRIX). *Int J Radiat Oncol Biol Phys.* 2018 Jul 1;101(3):581-592.
269. Jensen J, Hoyos CAV, Traberg MS, Olesen JB, Tomov BG, Moshavegh R, Holbek S, Stuart MB, Ewertsen C, Hansen KL, Thomsen C, Nielsen MB, Jensen JA. Accuracy and Precision of a Plane Wave Vector Flow Imaging Method in the Healthy Carotid Artery. *Ultrasound Med Biol.* 2018 Aug;44(8):1727-1741.
270. Brandt AH, Hansen KL, Ewertsen C, Holbek S, Olesen JB, Moshavegh R, Thomsen C, Jensen JA, Nielsen MB. A Comparison Study of Vector Velocity, Spectral Doppler and Magnetic Resonance of Blood Flow in the Common Carotid Artery. *Ultrasound Med Biol.* 2018 Aug;44(8):1751-1761.
271. Abildgaard J, Danielsen ER, Dorph E, Thomsen C, Juul A, Ewertsen C, Pedersen BK, Pedersen AT, Ploug T, Lindegaard B. Ectopic lipid deposition is associated with insulin resistance in postmenopausal women. *J Clin Endocrinol Metab.* 2018 Jun 7. doi: 10.1210/jc.2018-00554. [Epub ahead of print] PubMed PMID: 29889238.
272. Plomgaard AM, Andersen AD, Petersen TH, van de Looij Y, Thymann T, Sangild PT, Thomsen C, Sizonenko SV, Greisen G. Structural brain maturation differs between preterm and term piglets, whereas brain activity does not. *Acta Paediatr.* 2018 Aug 24. doi: 10.1111/apa.14556. [Epub ahead of print] PubMed PMID: 30144173.

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