

CV Jacob Christian Lindegaard

Clinical Associate Professor, overlæge, dr.med., overlæge

- Department of Clinical Medicine - The Department of Oncology
- The Department of Oncology
- Department of Clinical Medicine - The Department of Oncology

Educations

1997 Scientific Consultant, Oncologi, where ?

1988 Dr. Med., Aarhus Universitet, Danmark

1985 Research fellow, Danish Cancer Society, Denmark

1985 Price thesis, Aarhus University, Denmark

1980 Enrolled, Det lægevidenskabelige Faultet, Aarhus University, Denmark

1978 Student, Haderslev Katedralskole, Danmark

Academic degrees

1993 Dr. Med., Aarhus University, Denmark

Research areas

Radiotherapy and Gynecological Oncology

Present position

2001- Consultant, Oncological department, Aarhus University Hospital, Denmark

? Associate professor, Institute for Experimental Clinical Oncology, Aarhus, Denmark

Previous positions

1997-
2001 Staff specialist, Department of Oncology, Aarhus University Hospital, Denmark

1997 Senior registrar, Department of Oncology, Aarhus University Hospital, Denmark

1997 Senior registrar, Department of Oncology, Finsencentret, Rigshospitalet, Denmark

1993-
1996 Registrar, Department of Oncology, Aarhus University Hospital, Denmark

1992- Registrar, Department of Surgery, Odder Sygehus, Denmark

1993

1991-1992 Specialist registrar, Department of Haematology, Aarhus University Hospital, Denmark

1991 Registrar, Department of Medicine, Viborg Sygehus, Denmark

1988-1991 Scholarship, Department of Experimental Clinical Oncology, Danish Cancer Society, Denmark

Publications and presentations

Publications: ?, Peer-reviewed articles: 66, Book chapters: 10, H-index: 17, Citations: ?, Scientific meeting presentations (oral): ?

Board memberships

Chairman elect, Groupe Européen de Curethérapie (GEC ESTRO)

Danish Gynecological Cancer Group (DGCG)

International Commission on Radiation Units and Measurements (ICRU): Committee on Dose and Volume Reporting in Intracavitary Therapy in Gynecology

Organization of clinical trials

Title + person roll = Principal investigator

Supervision

x

Evaluations

Evaluation of dissertations, Medical University of Vienna (2009 and 2012)

Evaluation of dissertation, University of Copenhagen (2002)

Evaluation of PHD. Thesis, University of Aarhus (1998)

Regular review of articles for 12 Scientific publications

Awards and grants

Professor Carl Krebs Fødselsdagslegat (2013)

Hans Wyder Fellowship, European School of Oncology (1997)

Lund Science Award (1992)

Agnes Niebuhr Anderssons Mindefond (1991)

Aarhus University Gold medal (1986)

Major research grants

x

External grant reviewer

x

Organizer of meetings

ESTRO, Vienna (2014)

ESTRO Forum, Geneve (2013)

World Brachytherapy meeting, Barcelona (2012)

ESTRO Forum London (2011)

Scientific journal involvements

(Redaktør for)

Memberships

European Society for Therapeutic Radiology and Oncology

Nordic Society for Gynecological Oncology

Danish Society for Cancer Research

Dansk Society for Clinical Oncology

Publications

Proof of principle: Applicator-guided stereotactic IMRT boost in combination with 3D MRI-based brachytherapy in locally advanced cervical cancer

Assenholt, M. S., Vestergaard, A., Kallehauge, J. F., Mohamed, S., Nielsen, S. K., Petersen, J. B., Fokdal, L., Lindegaard, J. C. & Tanderup, K. 18 Mar 2014 In : Brachytherapy.

Correction of diffusion-weighted magnetic resonance imaging for brachytherapy of locally advanced cervical cancer

Haack, S., Kallehauge, J. F., Jespersen, S. N., Lindegaard, J. C., Tanderup, K. & Pedersen, E. M. 1 Jan 2014 In : Acta Oncologica. 53, 8, p. 1073-1078 6 p.

Tracer kinetic model selection for dynamic contrast-enhanced magnetic resonance imaging of locally advanced cervical cancer

Kallehauge, J. F., Tanderup, K., Duan, C., Haack, S., Pedersen, E. M., Lindegaard, J. C., Fokdal, L. U., Mohamed, S. M. I. & Nielsen, T. 1 Jan 2014 In : Acta Oncologica. 53, 8, p. 1064-1072 9 p.

Biology-guided adaptive radiotherapy (BiGART) - more than a vision?

Grau, C., Høyer, M., Alber, M., Overgaard, J., Lindegaard, J. C. & Muren, L. P. Oct 2013 In : Acta Oncologica. 52, 7, p. 1243-7 5 p.

Voxelwise comparison of perfusion parameters estimated using dynamic contrast enhanced (DCE) computed tomography and DCE-magnetic resonance imaging in locally advanced cervical cancer

Kallehauge, J. F., Nielsen, T., Haack, S., Peters, D. A., Mohamed, S., Fokdal, L., Lindegaard, J. C., Hansen, D. C., Rasmussen, F., Tanderup, K. & Pedersen, E. M. Oct 2013 In : Acta Oncologica. 52, 7, p. 1360-8 9 p.

Simple DVH parameter addition as compared to deformable registration for bladder dose accumulation in cervix cancer brachytherapy

Andersen, E. S., Noe, K. Ø., Sørensen, T. S., Nielsen, S. K., Fokdal, L., Paludan, M., Lindegaard, J. C. & Tanderup, K. 1 Apr 2013 In : *Radiotherapy & Oncology*. 107, 1, p. 52-57 6 p.

Feasibility of applying a single treatment plan for both fractions in PDR image guided brachytherapy in cervix cancer

Mohamed, S., Nielsen, S. K., Fokdal, L. U., Pedersen, E. M., Lindegaard, J. C. & Tanderup, K. Apr 2013 In : *Radiotherapy & Oncology*. 107, 1, p. 32-38 7 p.

Clinical feasibility of combined intracavitary/interstitial brachytherapy in locally advanced cervical cancer employing MRI with a tandem/ring applicator in situ and virtual preplanning of the interstitial component

Fokdal, L., Tanderup, K., Hokland, S. B., Røhl, L., Pedersen, E. M., Nielsen, S. K., Paludan, M. & Lindegaard, J. C. 26 Feb 2013 In : *Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology*.

Margin concepts in image-guided brachytherapy

Tanderup, K., Kirisits, C., Lindegaard, J. C., Van Limbergen, E., Wambersie, A. & Pötter, R. 2013 *Comprehensive Brachytherapy: Physical and Clinical Aspects*. Venselaar, J. L. M., Baltas, D., Meigooni, A. S. & Hoskins, P. J. (eds.). Boca Raton, FL, USA: Taylor & Francis, Ch. 17, p. 235-246 12 p.

A 10-year experience of total pelvic exenteration for primary advanced and locally recurrent rectal cancer based on a prospective database

Nielsen, M. B., Rasmussen, P. C., Lindegaard, J. C. & Laurberg, S. 22 Aug 2012 In : *Colorectal Disease*.

Counterpoint: Time to retire the parametrial boost

Lindegaard, J. C. & Tanderup, K. 2012 In : *Brachytherapy*. 11, 2, p. 80-3; discussion 84

Do clinicians and patients agree regarding symptoms?: A comparison after definitive radiochemotherapy in 223 uterine cervical cancer patients

Kirchheiner, K., Nout, R., Lindegaard, J. C., Petrič, P., Limbergen, E. V., Jürgenliemk-Schulz, I-M., Haie-Meder, C., Pötter, R. & Dörr, W. 2012 In : *Strahlentherapie und Onkologie : Organ der Deutschen Röntgengesellschaft ... [et al]*. 188, 10, p. 933-9 7 p.

Dose-reponse modifiers in radiation therapy

Horsman, M. R., Lindegaard, J. C., Grau, C., Nordmark, M. & Overgaard, J. 2012 *Clinical Radiation Oncology*. Gunderson, L. L. & Tepper, J. E. (eds.). 3 ed. Philadelphia, USA: W. B. Saunders Company, Ch. 3, p. 53-64 12 p.

Residual rotational set-up errors after daily cone-beam CT image guided radiotherapy of locally advanced cervical cancer

Laursen, L. V., Elstrøm, U. V., Vestergaard, A., Muren, L. P., Petersen, J. B., Lindegaard, J. C., Grau, C. & Tanderup, K. 2012 In : *Radiotherapy & Oncology*. 105, 2, p. 220-225 6 p.

Diffusion weighted MRI (DWI) for brachytherapy in locally advanced cervical cancer - Determining the degree of distortion at 1.5T and 3T MRI

Haack, S., Jespersen, S. N., Fokdal, L., Lindegaard, J. C., Tanderup, K., Kallehauge, J. F. & Pedersen, E. M. 1 Jan 2011 *IFMBE Proceedings*. Vol. 34 IFMBE, p. 172-175 4 p.

Diffusion Weighted MRI (DWI) for Brachytherapy in Locally Advanced Cervical Cancer - Determining the Degree of Distortion at 1.5T and 3T

Haack, S., Jespersen, S. N., Lars, F., Lindegaard, J. C., Kallehauge, J., Tanderup, K. & Pedersen, E. M. 2011 In : *International Federation for Medical and Biological Engineering Proceedings*. 34, p. 172-175 4 p.

Factors of importance for the development of the step-down heating effect in a C3H mammary carcinoma in vivo

Lindegaard, J. C. & Overgaard, J. 2011 In : *International Journal of Hyperthermia*. 3, 1, p. 79-91 13 p.

Identifying afterloading PDR and HDR brachytherapy errors using real-time fiber-coupled Al(2)O(3):C dosimetry and a novel statistical error decision criterion

Kertzscher, G., Andersen, C. E., Siebert, F-A., Nielsen, S. K., Lindegaard, J. C. & Tanderup, K. 2011 In : Radiotherapy & Oncology. 100, 3, p. 456-62 7 p.

Image and laparoscopic guided interstitial brachytherapy for locally advanced primary or recurrent gynaecological cancer using the adaptive GEC ESTRO target concept

LU, F., Tanderup, K., Nielsen, S. K., Christensen, H. K., Røhl, L., Pedersen, E. M., Schønemann, N. K. & Lindegaard, J. C. 2011 In : Radiotherapy & Oncology. 100, 3, p. 473-9 7 p.

Renaissance of contact x-ray therapy for treating rectal cancer

Gérard, J-P., Myint, A. S., Croce, O., Lindegaard, J. C., Jensen, A., Myerson, R., Hannoun-Lévi, J-M. & Marcie, S. 2011 In : Expert Review of Medical Devices. 8, 4, p. 483-92 10 p.

International Brachytherapy Practice Patterns: A Survey of the Gynecologic Cancer Intergroup (GCIg)

Viswanathan, A. N., Creutzberg, C. L., Craighead, P., McCormack, M., Toita, T., Narayan, K., Reed, N., Long, H., Kim, H-J., Marth, C., Lindegaard, J. C., Cerrotta, A., Small, W. & Trimble, E. 21 Dec 2010 In : International Journal of Radiation: Oncology - Biology - Physics.

PTV margins should not be used to compensate for uncertainties in 3D image guided intracavitary brachytherapy

Tanderup, K., Pötter, R., Lindegaard, J. C., Berger, D., Wambersie, A. & Kirisits, C. 1 Dec 2010 In : Radiotherapy & Oncology. 97, 3, p. 495-500 6 p.

A phase II study of combination chemotherapy in early relapsed epithelial ovarian cancer using gemcitabine and pegylated liposomal doxorubicin

Mirza, M. R., Lund, B., Lindegaard, J. C., Keldsen, N., Mellempgaard, A., Christensen, R. D. & Bertelsen, K. 1 Oct 2010 In : Gynecologic Oncology. 119, 1, p. 26-31 6 p.

Apparent Diffusion Coefficient (ADC) as a quantitative parameter in diffusion weighted MR imaging in gynecologic cancer: Dependence on b-values used

Kallehauge, J. F., Tanderup, K., Haack, S., Nielsen, T., Muren, L. P., Fokdal, L., Lindegaard, J. C. & Pedersen, E. M. 1 Oct 2010 In : Acta Oncologica. 49, 7, p. 1017-22 6 p.

Apparent diffusion coefficients in GEC ESTRO target volumes for image guided adaptive brachytherapy of locally advanced cervical cancer

Haack, S., Pedersen, E. M., Jespersen, S. N., Kallehauge, J. F., Lindegaard, J. C. & Tanderup, K. 1 Oct 2010 In : Acta Oncologica. 49, 7, p. 978-83 6 p.

Biology-guided adaptive radiation therapy - presence or future?

Grau, C., Olsen, D. R., Overgaard, J., Høyer, M., Lindegaard, J. C. & Muren, L. 1 Oct 2010 In : Acta Oncologica. 49, 7, p. 884-887 4 p.

Parametrial Boost Using Midline Shielding Results in an Unpredictable Dose to Tumor and Organs at Risk in Combined External Beam Radiotherapy and Brachytherapy for Locally Advanced Cervical Cancer

Fenkell, L., Assenholt, M., Nielsen, S. K., Haie-Meder, C., Pötter, R., Lindegaard, J. & Tanderup, K. 26 Aug 2010 In : International Journal of Radiation: Oncology - Biology - Physics.

Adaptive management of cervical cancer radiotherapy

Tanderup, K., Georg, D., Pötter, R., Kirisits, C., Grau, C. & Lindegaard, J. C. 1 Apr 2010 In : Seminars in Radiation Oncology. 20, 2, p. 121-9 9 p.

Variation of treatment planning parameters (D90 HR-CTV, D 2cc for OAR) for cervical cancer tandem ring brachytherapy in a multicentre setting: comparison of standard planning and 3D image guided optimisation based on a joint protocol for dose-volume constraints

Jürgenliemk-Schulz, I. M., Lang, S., Tanderup, K., de Leeuw, A., Kirisits, C., Lindegaard, J., Petric, P., Hudej, R., Pötter, R. & Gyn GEC ESTRO network 1 Mar 2010 In : Radiotherapy & Oncology. 94, 3, p. 339-45 7 p.

A national cohort study of long-course preoperative radiotherapy in primary fixed rectal cancer in Denmark

Bulow, S., Jensen, L. H., Altaf, R., Harling, H., Jensen, M., Laurberg, S., Lindegaard, J. C., Muhic, A. & Vestermark, L. 2010 In : Colorectal Disease. 12, 7 Online, p. e18-e23

Clinical outcome in 520 consecutive Danish rectal cancer patients treated with short course preoperative radiotherapy

on behalf of the Danish Colorectal Cancer Group & Gandrup, P. 2010 In : European Journal of Surgical Oncology. 36, 3, p. 237-243 7 p.

From point A to the sculpted pear: MR image guidance significantly improves tumour dose and sparing of organs at risk in brachytherapy of cervical cancer

Tanderup, K., Nielsen, S. K., Nyvang, G-B., Pedersen, E. M., Røhl, L., Aagaard, T., Fokdal, L. & Lindegaard, J. C. 2010 In : Radiotherapy & Oncology. 94, 2, p. 173-80 7 p.

Applicator reconstruction in MRI 3D image-based dose planning of brachytherapy for cervical cancer

Haack, S., Nielsen, S. K., Lindegaard, J. C., Gelineck, J. & Tanderup, K. 2009 In : Radiotherapy & Oncology. 92, 2, p. 187-193

Characterization of a fiber-coupled Al₂O₃:C luminescence dosimetry system for online in vivo dose verification during ¹⁹²Ir brachytherapy

Andersen, C. E., Nielsen, S. K., Greilich, S., Helt-Hansen, J., Lindegaard, J. & Tanderup, K. 2009 In : Medical Physics. 36, 3, p. 708-18 10 p.

Time-resolved in vivo luminescence dosimetry for online error detection in pulsed dose-rate brachytherapy

Andersen, C. E., Nielsen, S. K., Lindegaard, J. C. & Tanderup, K. 2009 In : Medical Physics. 36, 11, p. 5033-43 10 p.

GPU accelerated viscous-fluid deformable registration for radiotherapy

Noe, K. Ø., Tanderup, K., Lindegaard, J. C., Grau, C. & Sørensen, T. S. 1 Jan 2008 In : Studies in Health Technology and Informatics. 132, p. 327-32 6 p.

A dose planning study on applicator guided stereotactic IMRT boost in combination with 3D MRI based brachytherapy in locally advanced cervical cancer

Assenholt, M. S., Petersen, J. B., Nielsen, S. K., Lindegaard, J. & Tanderup, K. 2008 In : Acta Oncologica. 47, 7, p. 1337-43 6 p.

CNS metastasis from malignant uveal melanoma: a clinical and histopathological characterisation

Holfort, S. K., Lindegaard, J., Isager, P., Prause, J. U. & Heegaard, S. 2008 In : British Journal of Ophthalmology. 93, 5, p. 641-4 3 p.

Image-guided adaptive radiotherapy - integration of biology and technology to improve clinical outcome

Grau, C., Muren, L., Høyer, M., Lindegaard, J. & Overgaard, J. 2008 In : Acta Oncologica. 47, 7, p. 1182-1185 4 p.

MRI-guided 3D optimization significantly improves DVH parameters of pulsed-dose-rate brachytherapy in locally advanced cervical cancer

Lindegaard, J. C., Tanderup, K., Nielsen, S. K., Haack, S. & Gelineck, J. 2008 In : International Journal of Radiation: Oncology - Biology - Physics. 71, 3, p. 756-64 8 p.

Perineal healing and survival after anal cancer salvage surgery: 10-year experience with primary perineal reconstruction using the vertical rectus abdominis myocutaneous (VRAM) flap

Sunesen, K. G., Buntzen, S., Tei, T., Lindegaard, J. C., Nørgaard, M. & Laurberg, S. 2008 In : Annals of Surgical Oncology. 16, 1, p. 68-77 9 p.

Present status and future of high-precision image guided adaptive brachytherapy for cervix carcinoma

Potter, R., Kirisits, C., Fidarova, E. F., Dimopoulos, J. C. A., Berger, D., Tanderup, K. & Lindegaard, J. 2008 In : Acta Oncologica. 47, 7, p. 1325-36 11 p.

Dose response modifiers in radiation therapy

Horsman, M. R., Lindegaard, J., Grau, C., Nordmark, M. & Overgaard, J. 2007 *Clinical Radiation Oncology*. Gunderson, L. L. & Tepper, J. E. (eds.). 2nd edition ed. New York: Churchill Livingstone, p. 59-73 5 p.

Whither papillon? Future directions for contact radiotherapy in rectal cancer.

Lindegaard, J., Gerard, J. P., Sun Myint, A., Myerson, R., Thomsen, H. & Laurberg, S. 2007 In : *Clinical Oncology*. 19, 9, p. 738-41 3 p.

Dose optimisation in single plane interstitial brachytherapy

Tanderup, K., Hellebust, T. P., Honoré, H. B., Nielsen, S. K., Olsen, D. R., Grau, C. & Lindegaard, J. C. 1 Oct 2006 In : *Radiotherapy & Oncology*. 81, 1, p. 105-11 7 p.

The prognostic value of pimonidazole and tumour pO₂ in human cervix carcinomas after radiation therapy: a prospective international multi-center study

Nordmark, M., Loncaster, J., Aquino-Parsons, C., Chou, S-C., Gebiski, V., West, C., Lindegaard, J., Havsteen, H., Davidson, S. E., Hunter, R., Raleigh, J. A. & Overgaard, J. Aug 2006 In : *Radiotherapy & Oncology*. 80, 2, p. 123-131 9 p.

Geometric stability of intracavitary pulsed dose rate brachytherapy monitored by in vivo rectal dosimetry

Tanderup, K., Christensen, J. J., Pedersen, J. G. & Lindegaard, J. C. 1 Apr 2006 In : *Radiotherapy & Oncology*. 79, 1, p. 87-93 7 p.

The emerging evidence for Stereotactic Body Radiotherapy

Grau, C., Høyer, M., Lindegaard, J. C. & Overgaard, J. 1 Jan 2006 In : *Acta Oncologica*. 45, 7, p. 771-774 4 p.

Bivirkninger ved strålebehandling for hoved-hals-cancer

Andreassen, C. N., Lindegaard, J. & Grau, C. 2006 In : *Maanedsskrift for Praktisk Lægegering*. 84, p. 553-560

Dose optimisation in single plane interstitial brachytherapy

Tanderup, K., Hellebust, T. P., Honoré, H. H., Nielsen, S. K., Olsen, D. R., Grau, C. & Lindegaard, J. 2006 In : *Radiother. Oncol.* 81, p. 105-111 7 p.

Geometric stability of intracavitary pulsed dose rate brachytherapy monitored by in vivo rectal dosimetry

Tanderup, K., Christensen, J. J., Pedersen, J. G. & Lindegaard, J. 2006 In : Radiotherapy and Oncology. 79, p. 87-93

Optic nerve invasion of uveal melanoma: clinical characteristics and metastatic pattern

Lindegaard, J., Isager, P., Prause, J. U. & Heegaard, S. 2006 In : Invest. Ophthalmol. Vis. Sci. 47, 8, p. 3268-3275

Uveal and conjunctival malignant melanoma in Denmark, 1943-97: incidence and validation study

Isager, P., Østerlind, A., Engholm, G., Heegaard, S., Lindegaard, J., Overgaard, J. & Storm, H. H. Aug 2005 In : Ophthalmic Epidemiology. 12, 4, p. 223-232 10 p.

Chemotherapy-induced changes of CA 125 in patients with epithelial ovarian cancer

Søgaard, C. H., Lindegaard, J. C., Havsteen, H., Nielsen, O. S. & Mogensen, O. 1 May 2005 In : Gynecologic Oncology. 97, 2, p. 410-2 3 p.

Oral complications of radiotherapy in head and neck cancer. Strategies for prevention and management

Grau, C., Andreassen, C. N., Jensen, K. & Lindegaard, J. C. Sep 2004 In : American Journal of Cancer Research. 3, 5, p. 291-298 8 p.

Multi-channel intracavitary vaginal brachytherapy using three-dimensional optimization of source geometry

Tanderup, K. & Lindegaard, J. C. 1 Jan 2004 In : Radiotherapy & Oncology. 70, 1, p. 81-5 5 p.

Measurements of hypoxia using pimonidazole and polarographic oxygen-sensitive electrodes in human cervix carcinomas

Nordsmark, M., Loncaster, J., Aquino-Parsons, C., Chou, S-C., Ladekarl, M., Havsteen, H., Lindegaard, J. C., Davidson, S. E., Varia, M., West, C., Hunter, R., Overgaard, J. & Raleigh, J. A. Apr 2003 In : Radiotherapy & Oncology. 67, 1, p. 35-44 10 p.

Chemical radioprotection: a critical review of amifostine as a cytoprotector in radiotherapy

Andreassen, C. N., Grau, C. & Lindegaard, J. C. 1 Jan 2003 In : Seminars in Radiation Oncology. 13, 1, p. 62-72 11 p.

Has the time come for routine use of amifostine in clinical radiotherapy practice?

Lindegaard, J. C. 1 Jan 2003 In : Acta Oncologica. 42, 1, p. 2-3 2 p.

Invasive oxygen measurements and pimonidazole labeling in human cervix carcinoma

Nordsmark, M., Loncaster, J., Chou, C. G. H., Havsteen, H., Lindegaard, J. C., Davidson, S. E., Varia, M., West, C., Hunter, R., Overgaard, J. & Raleigh, J. A. 1 Feb 2001 In : International Journal of Radiation: Oncology - Biology - Physics. 49, 2, p. 581-6 6 p.

Has the outlook improved for amifostine as a clinical radioprotector?

Lindegaard, J. C. & Grau, C. 1 Nov 2000 In : Radiotherapy & Oncology. 57, 2, p. 113-8 6 p.

Radiotherapy in the management of cervical cancer in elderly patients

Lindegaard, J. C., Thranov, I. R. & Engelholm, S. A. 1 Jul 2000 In : Radiotherapy & Oncology. 56, 1, p. 9-15 7 p.

Epidermal growth factor and acute radiation damage in CDF1 mice in vivo

Lindegaard, J. C., Vinter-Jensen, L. & Overgaard, J. 1 Jan 1997 In : Acta Oncologica. 36, 4, p. 393-6 4 p.

A retrospective analysis of 82 cases of cancer of the penis

Lindegaard, J. C., Nielsen, O. S., Lundbeck, F. A., Mamsen, A., Studstrup, H. N. & von der Maase, H. 1 Jun 1996 In : British Journal of Medical and Surgical Urology. 77, 6, p. 883-90 8 p.

Is there a radiobiologic basis for improving the treatment of advanced stage cervical cancer?

Lindegaard, J. C., Overgaard, J., Bentzen, S. M. & Pedersen, D. 1 Jan 1996 In : National Cancer Institute. Journal. Monographs. 21, p. 105-112 8 p.

Behandling af peniscancer

Lindegaard, J. C., Studstrup, H. N., Nielsen, O. S. & von der Maase, H. 20 Mar 1995 In : Ugeskrift for Laeger. 157, 12, p. 1660-4 5 p.

Effects of step-down and step-up heating on the development of thermotolerance in a C3H mammary carcinoma in vivo

Lindegaard, J. C., Nielsen, O. S. & Overgaard, J. 1995 In : International Journal of Hyperthermia. 11, 2, p. 231-9 9 p.

Deep heating using a movable applicator phased array hyperthermia system. A preclinical feasibility study

Raskmark, P., Hornsleth, S. N., Salling, M. H. N., Lindegaard, J. C. & Overgaard, J. 1 Jan 1994 In : Acta Oncologica. 33, 4, p. 451-5 5 p.

Use of tetrahydraindazolone dicarboxylic acid (HIDA) to improve the therapeutic effect in vivo of combined cisplatin, heat and radiation treatment

Overgaard, J., Radacic, M., Skaric, D., Skaric, V., Horsman, M. R., Lindegaard, J. C., Jercic, J. & Lindegaard, J. C. Dec 1993 In : International Journal of Hyperthermia. 9, 6, p. 821-30 10 p.

A mathematical model for cell killing by heat applied to a C3H mammary carcinoma in vivo

Lindegaard, J. C. & Bentzen, S. M. Jul 1993 In : International Journal of Radiation Biology. 64, 1, p. 113-7 5 p.

Cisplatin and hyperthermia treatment of a C3H mammary carcinoma in vivo. Importance of sequence, interval, drug dose, and temperature

Lindegaard, J. C., Radacic, M., Khalil, A. A., Horsman, M. R. & Overgaard, J. 1 Jan 1992 In : Acta Oncologica. 31, 3, p. 347-351 5 p.

Winner of the Lund Science Award 1992. Thermosensitization induced by step-down heating. A review on heat-induced sensitization to hyperthermia alone or hyperthermia combined with radiation

Lindegaard, J. C. 1992 In : International Journal of Hyperthermia. 8, 5, p. 561-86 26 p.

Effect of step-down heating on the interaction between heat and radiation in a C3H mammary carcinoma in vivo

Lindegaard, J. C., Grau, C. & Overgaard, J. 1 Oct 1991 In : International Journal of Radiation Biology. 60, 4, p. 707-721 15 p.

Sensitization to hyperthermia induced in a normal tissue by step-down heating

Lindegaard, J. C. & Nielsen, O. S. 1 May 1991 In : International Journal of Radiation: Oncology - Biology - Physics. 20, 5, p. 1023-9 7 p.

The potential of using hyperthermia to eliminate radioresistant hypoxic cells

Overgaard, J., Grau, C., Lindegaard, J. C. & Horsman, M. R. 1 Jan 1991 In : Radiotherapy & Oncology. 20, Suppl 1, p. 113-116 4 p.

A comparison between the effect of step-down heating in a tumour and a normal tissue in vivo

Lindegaard, J. C., Nielsen, O. S. & Overgaard, J. 1991 In : International Journal of Hyperthermia. 7, 3, p. 519-26 8 p.

Time-temperature relationships for L1A2 cells step-down heated from 38 to 45 degrees C in vitro

Lindegaard, J. C. & Nielsen, O. S. 1 Mar 1990 In : Radiation Research. 121, 3, p. 282-7 6 p.

Step-down heating in a C3H mammary carcinoma in vivo: effects of varying the time and temperature of the sensitizing treatment

Lindegaard, J. C. & Overgaard, J. 1990 In : International Journal of Hyperthermia. 6, 3, p. 607-617 11 p.

Thermotolerance in the mouse foot estimated at various levels of normal tissue damage

Lindegaard, J. C. & Nielsen, O. S. 1 Jun 1989 In : International Journal of Radiation: Oncology - Biology - Physics. 16, 6, p. 1543-9 7 p.

Time-temperature relationships for step-down heated L1A2 cells in vitro.

Lindegaard, J. C. & Nielsen, O. S. 1989 *Hyperthermic Oncology 1988*. Sugahara, T. & Saito, M. (eds.). London, New York & Philadelphia: Taylor and Francis, Vol. 1, p. 36-37

Effect of step-down heating on hyperthermic radiosensitization in an experimental tumor and a normal tissue in vivo

Lindegaard, J. C. & Overgaard, J. 1 Feb 1988 In : Radiotherapy & Oncology. 11, 2, p. 143-51 9 p.

Biological basis for rational design of clinical treatment with combined hyperthermia and radiation.

Overgaard, J., Nielsen, O. S. & Lindegaard, J. C. 1987 *Physics and technology of hyperthermia*. Field, S. B. & Franconi, C. (eds.). 127 ed. Dordrecht, Boston, Lanchester: Martinus Nijhoff Publishers, Vol. NATO ASI Series E: Applied Sciences, p. 54-79

Relationship between tumor growth delay and modification of local control probability of various treatments given as an adjuvant to irradiation.

Overgaard, J., Matsui, M., Lindegaard, J. C., Grau, C., Zachariae, C., Johansen, I. M., von der Maase, H. & Nielsen, O. S. 1987 *The use of rodent tumours in experimental cancer therapy*.. Kallman, R. F. (ed.). Pergamon Press, Ch. 5, p. 128-132