

# Research, Development and Education

Annual report 2024

Department of Oncology, Aalborg University Hospital  
Department of Clinical Medicine, Aalborg University



# Indhold

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# 1 Preface

We are pleased to present the annual report of 2024 on scientific Research, Development and Education (RDE) for the Department of Oncology, Aalborg University Hospital.

Organizing and planning scientific research, development and education is fundamental for the quality of all scientific work. Thus, our updated [Research Strategy Plan 2024-2027](#) is the fifth version since 2013.

During 2024, the **RDE committee** has contributed with monthly discussions covering all types of scientific questions, and the **Research Council** have made excellent work by auditing and prioritizing the current scientific protocols.

All **cancer-specific teams** were involved in a great number of scientific studies. They contributed to both academic and industrial initiated protocols, see [Aarsrapport KFE 2024.pdf](#)

## **Scientific collaboration**

We continued our scientific collaboration in the field of radiation resistance in rectal cancer with Dr Max Diehn's research group at the Stanford University Medical School. Most of our regular meetings were online. One of our medical students was working at the Stanford lab for one year (Lundbeck Scholar). Thus, our molecular genetic studies could be continued. One of our PhD-students completed a four-week scientific visit at the Dept. of Oncology, Lund University, with focus on radiation resistance in rectal cancer, and established further clinical and scientific collaboration.

Our national and international scientific network is well established and plays a major role when prioritizing current scientific protocols.

## **Clinical cancer research center, Aalborg University Hospital**

Since many years, our research group is deeply engaged in the development of this center. The focus is to initiate scientific research collaboration with all the departments who are involved in diagnostics or treatments of cancer patients. The center is responsible for the PhD course in clinical cancer research, and the number of scientific publications is rising each year. The annual report for the center can be found at [the KKFC website](#)

## **Strengthening of our research group**

In April, Christina Øllegaard Elmer started as research coordinator. It is of great pleasure to participate of her competence, both in the field of scientific research and academic education. Her assistance has already resulted in improvement of our educational skills.

Martin Skovmos Nielsen was nominated as academic lecturer in medical physics which gives us the possibility to develop the scientific research area of radiation therapy and medical physics.

## **Publication rate, PhD degrees**

The collective publication rate in 2024 is 104 with 60 full papers. Two PhD-student finished a thesis and was awarded the PhD degree.

## **Education of medical students**

The education of medical students, currently around 200 per year, includes both clinical and theoretical teaching, involving academic lecturers, PhD students, and clinicians.

Starting from the fall semester of 2024, clinical teaching at the Department of Clinical Medicine at Aalborg University was reorganized. Our department collaborates with two hospital departments: abdominal surgery, plastic - and breast surgery. Two students from one group stay at our clinic for the whole four-week period, while six students stay for two weeks and then switch with another group of six students for the remaining two weeks. Each student follows their assigned cancer-specific team. This change has made coordination more complex, requiring the involvement of all cancer-specific teams to accommodate the students.

Theoretical teaching to each student group includes insight in principles of oncology, radiation therapy, radiation physics, and nutritional aspects in cancer patients. The students are asked to evaluate the education program orally on the last day of their stay, making it possible for us to make small adaption according to their experience with the clinic.

For their exam in surgery, the students investigate cancer patients from our wards.

## **In summary**

Starting clinical cancer research in 2013, we are still a small group of senior - and junior scientists. However, working close together has strengthened our scientific and educational milieu. The number of scientific publications, the education of Ph.D.- and medical students is growing continuously. Thus, stabilizing our research group, promoting young scientists and involving our clinicians, students and nurses in the scientific cancer research area is one of our main tasks. We want to further enhance our collective scientific skills in ongoing and new projects. Our national and international collaborations will be decisive, as well as external research funding.

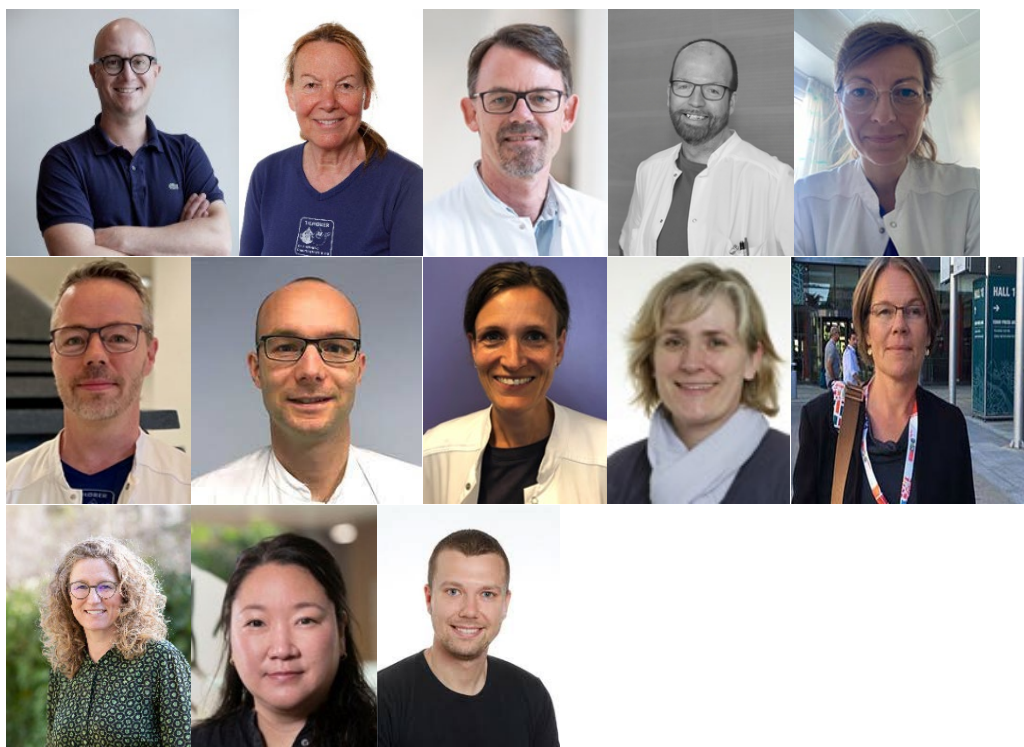
The main goal is to further increase the scientific quality of our results to the benefit for cancer patients and their families.

We would like to thank all our local, national, and international collaborators, as well as our patients participating in clinical and scientific protocols.

### **On behalf of the Research Group Oncology**

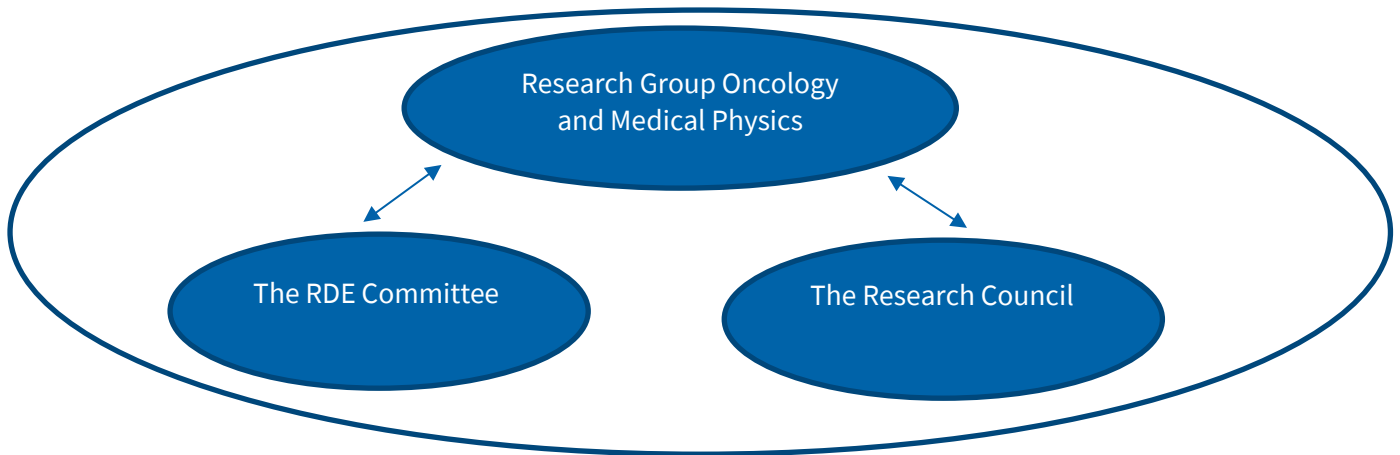
Ursula Falkmer, MD, PhD, professor, research leader  
 Morten Ladekarl, MD, PhD, professor  
 Andreas Carus, MD, PhD, clinical associate professor  
 Martin Skovmos Nielsen, med. physics, PhD, associate professor  
 Tine McCulloch, MD, physician  
 Laurids Østergaard Poulsen, Associate MD PhD, clinical associate professor  
 Weronika Szejniuk, MD PhD, clinical associate professor  
 Marie Louise Holm Milo, MD PhD, clinical associate professor  
 Helle Enggaard, Postdoc, cand. cur., PhD  
 Jimmi Søndergaard, MD, PhD  
 Dennis Tideman Arp, med. physics, PhD student  
 Susy Shim, MD, PhD student  
 Anders Krog Vistisen, MD, Head physician  
 Christina Elmer, Cand. Mag., Research Coordinator

### **RDE Committee 2024**



## 2 Research, Development and Education

### Organisation



### Strategy

The core mission of scientific research and development is specified in our current Research Plan 2025-2030. Our strategy is in line with the overall mission and vision of Aalborg University Hospital, the Clinical Cancer Research Centre at Aalborg University Hospital, and the Dept. of Clinical Medicine, Faculty of Medicine, Aalborg University.

### Scientific areas

Generally, the scientific projects are focused on exploring new knowledge on

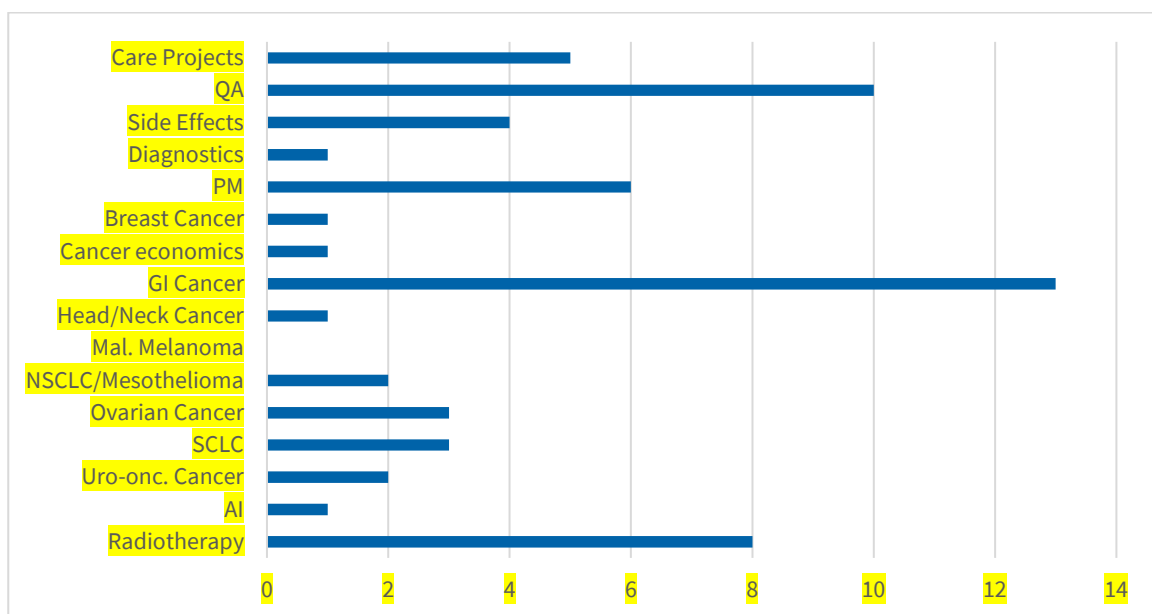
- cancer diagnostics, prognostics, treatment, and care
- side effects and late complications of cancer treatment
- achievements within specialized palliative medicine
- cancer treatment economics

# 3 Research activities

## Ongoing projects

The ongoing projects are categorized according to their main scientific topic. The academic protocols at the Clinical Research Unit are not included.

[Link to ongoing projects](#)

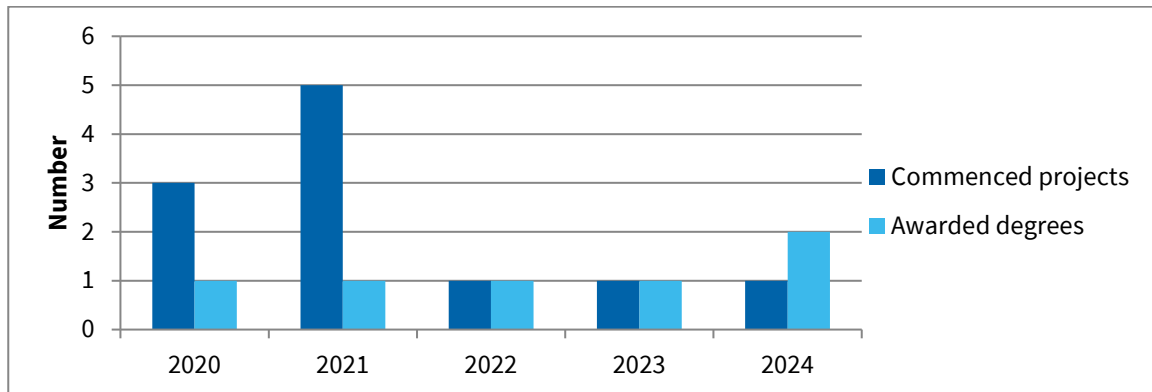


## PhD students

|                                                                                                                                                                                                                        | 2019    | 2020    | 2021    | 2022    | 2023    | 2024    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|
| <b>*Dennis Tideman Arp, M.Sc. Physicist</b><br>Characterization of patient specific PTV-based on multiple MRI scans before and during treatment to obtain adaptive treatment strategy for radiation dose escalation.   | Start   | Ongoing | Ongoing | Ongoing | Ongoing | Defence |
| <b>Anna Slipsager, MD</b><br>Validation of coenzyme A synthase, HMGCS2, PI3K pathway-related genes and other emerging bi-omarkers as predictors of radiation resistance in locally advanced rectal cancer              |         | Pre-PhD | Start   | Ongoing | Ongoing | Ongoing |
| <b>Susy Shim, MD</b><br>Prognostic and predictive factors in oncological treatment of patients with pancreas and stomach cancer                                                                                        |         | Pre-PhD | Start   | Ongoing | Ongoing | Ongoing |
| <b>Mette Overgaard Holm, MSc, clinical dietitian</b><br>Diagnostic and nutritional aspects on acute radiation-induced diarrhea in patients with prostate cancer treated with curative external beam radiation therapy. | Pre-PhD | Start   | Ongoing | Ongoing | Ongoing | Ongoing |
| <b>Mathias Holmsgaard Eskesen</b><br>Febrile Neutropenia: Incidence, etiology and prognosis.                                                                                                                           |         |         |         |         | Start   | Ongoing |
| <b>Louise Gundel Stenfeldt</b><br>Risk of Cerebro-Vascular Events in Patients with Breast Cancer and Head and Neck Cancer Treated with Radiation to the Neck                                                           |         |         |         |         | Start   | Ongoing |
| <b>Hubert Kzryslak</b><br>SCLC: metabolic and proteomic investigations                                                                                                                                                 |         | Start   | Ongoing | Ongoing | Ongoing | Ongoing |
| <b>Lars Børty Nielsen</b><br>Risk factors for high systemic anti-cancer therapy costs                                                                                                                                  |         | Start   | Ongoing | Ongoing | Ongoing | Defense |
| <b>Hella Maria Brøgger Sand</b><br>Dual-Energy CT til planlægning af strålebehandling til kræftpatienter                                                                                                               |         |         |         |         | Pre-PhD | Start   |

\*The PhD students work part-time in the clinic; thus, their PhD period spans over 5-6 years.

## PhD projects



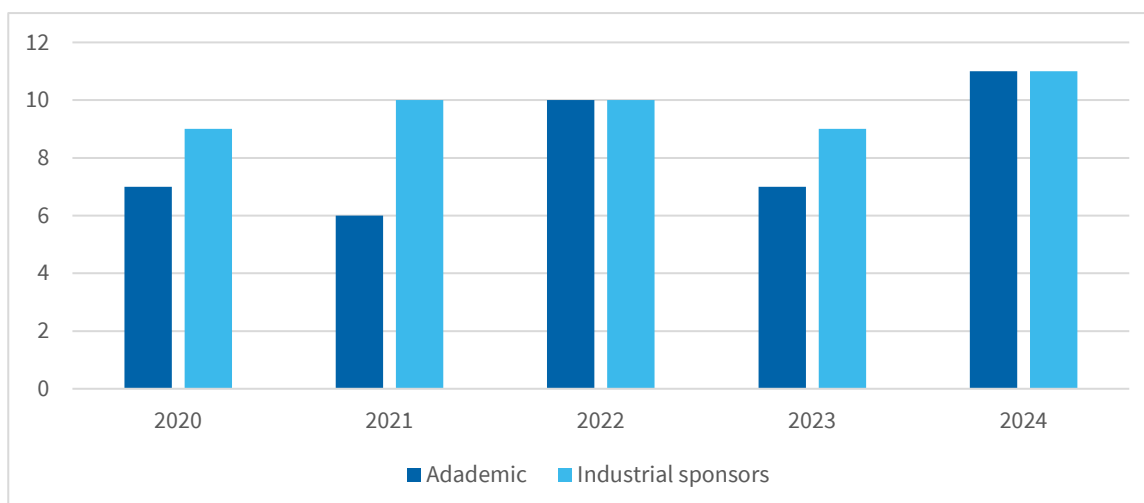
Martin Skovmos Nielsen gives a speech for Dennis Tideman Arp after his PhD defense on September 13, 2024

| PhD theses awarded 2024        | Project title                                            | Principal and Co-supervisors                                                     |
|--------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------|
| Dennis Tideman Arp             | Optimizing Radiotherapy Boost for Rectal Cancer          | Laurids Østergaard Poulsen, Martin Skovmos Nielsen                               |
| Lars Hernandez (Børty) Nielsen | Risk factors for high systemic anti-cancer therapy costs | Rasmus Froberg Brøndum, Martin Bøgsted, Marianne Tang Severinsen, Ursula Falkmer |

## Clinical Research Unit

11 protocols have been initiated in 2024 by industrial sponsors and 11 protocols are academic initiated. For further information, see [Annual Report](#) from the Clinical Research Unit.

### Number of initiated protocols



## Research Activities

|                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ursula Falkmer</b>                                                                                                                                                                                                                                                         |                                                                                                                                                                                                  |
| <b>Faculty tasks – assessments</b><br><br>Ph.D. assessment, internal opponent<br>Benjamin Emil Stubbe: “Prognostic Impact of Promoter-Hypermethylated SFRP1 in Pancreatic Ductal Adenocarcinoma A blood-based Biomarker Study”<br><br>Clinical Associate Professor assessment | 3 May<br><br><br>Autumn 2024                                                                                                                                                                     |
| <b>Appointment in organisations / boards</b><br><br>Danish Health Authority<br>Cancerfonden, Karolinska UH<br>CCRC, Steering group member<br><br>Ebba og Axel Schøllins fond                                                                                                  | 16 January<br>14-16 February<br>8 April, 19 August,<br>2 December<br>28 May                                                                                                                      |
| <b>Reviews</b><br><br>BMC-cancer, Acta Oncology, Dansk Lægetidsskrift                                                                                                                                                                                                         |                                                                                                                                                                                                  |
| <b>Seminars /courses in own regime</b><br><br>Stanford-collaborators 1 x monthly<br>PHD- exchange (Anna Slipsager), Lund and Malmö University<br>Research seminar, Klitgården<br>CCRC annual meeting                                                                          | March – December-<br>May 2024<br>5-6 September<br>24-25 October                                                                                                                                  |
| <b>Congressses / conferences /meetings</b><br><br>SUND-prof.forum<br>Trial Nation<br><br>Neuropathy meeting<br>Forskningsseminar FUI<br>DCCC RT<br>SUND-AI, Ai in HealthCare<br><br>UTPS                                                                                      | 3 April<br>23 April (online), 27<br>June, 2 December<br><br>8 April<br>11 April<br>24 April (online)<br>28 August (online),<br>9 October<br><br>12 March (online),<br>12 September<br>3 December |

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| CCRC annual meeting<br>Narnuca steering group                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 24-25 October 18<br>April (online),<br>31 October |
| <b>Morten Ladekarl</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                   |
| <b>Faculty tasks – assessments</b><br><br>Clinical associate professor assessment, Aalborg University<br><br>Member of search committee for professorship in immunotherapy, department of oncology, Herlev Gentofte University Hospital and Copenhagen University<br><br>PhD assessment, Aarhus University<br>Mikkel Breinholt Kjær: “Biomarker-directed aptamer panels for diagnosis and staging in steatotic liver disease and gastrointestinal cancers”                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 14 June                                           |
| <b>Appointment in organisations / boards</b><br><br>Nordic Network for Pancreascancer<br>Nordic Neuroendocrine Carcinoma Database. Steering group member<br>Dansk Lever og Galdevejscancer Gruppe (DLGCC). Steering group member<br>Dansk Pancreascancer Gruppe (DPCG) and Dansk Pancreascancer Database (DPCD). Board member and member of the database steering group<br>Dansk Esophagus-Gastric Cancer Group (DEGC). Board member and member of the oncology committee<br>Expert panel for experimental treatment, Danish Health Authority<br>Medical Council, Danish Regions, committee to the assessment of cross labeling oncology drugs<br>Dansk Comprehensive Cancer Center (DCCC). Board member<br>DCCC/KB ctDNA-center. Steering group member<br>National Genom Center (NGC). National specialist network for advanced and in-curable cancer<br>Danish National Molecular Biology Tumor Board (DNMTB). Member of the business committee<br>Committee for Genomic Tumor Profiling, DMCG.dk<br>Member of the international assessment committee regarding applications for <b>Sjöbergs Foundation</b> , Sweden |                                                   |
| <b>Editing and reviews</b><br><br>Editorial board, <b>BMC Cancer</b> (IF 4.638)<br>Editorial board, <b>Current Oncology</b> (IF 2.257)<br>Reviewer board, <b>Journal of Cancers</b> (IF 6.639)<br>Expert writer at the Danish online encyclopedia, <b>LEX</b> , <a href="http://www.lex.dk">www.lex.dk</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                   |

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| Editor for special edition “Molecular characteristics in upper gastrointestinal cancers”, <b>Current Oncology</b> 2024-25.                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                             |
| <b>Seminars /courses in own regime</b><br><br>Research Seminar, Klitgården, Skagen<br>CCRC Annual Meeting, Rebild                                                                                                                                                                                                                                                                                                                                                                                 | 5-6 September<br>24-25 October                                                                                              |
| <b>Congressses / conferences /meetings</b><br><br>Protein science network event. Clinical proteomics. Aalborg University<br>Personalised Medicine in Cancer. Invited speaker at after-work meeting, The Danish Medical Association, North Denmark Region, Aalborg<br>16th IHPBA World Congress. Cape Town, South Africa.<br>First meeting in Committee for Genomic Tumor Profiling, Middelfart<br>ESMO 2024<br><br>Personalised Medicine. Post-ESMO<br>ctDNA DCCC-centers annual meeting, Aalborg | 17 January (online)<br>12 April<br>15-18 May<br>18 June<br>13-17 September (online)<br>8 October (online)<br>11-12 November |
| <b>Laurids Østergaard Poulsen</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                             |
| <b>Faculty tasks – assessments</b><br><br>Opponent at predefence – the department of cardiology<br>Sissel Godtfredsen<br><br>Ph.D.-supervision: Mette Holm, Anna Slipsager, Mathias H. Eskesen, Hella Sand, Dennis Arp<br><br>Ph.D-co-supervision: Lise K. Schou (AU), Kerstin Kiis Antonsen (SDU), Signe Bjerregaard-Michelsen, Alexander Djupnes Fuglkjær, Helena Brøckner og Jan Walter Dhillon Shanmuganathan<br><br>Ph.d.-plan assessment, University of Southern Denmark                    | 23 April                                                                                                                    |
| <b>Appointment in organisations / boards</b><br><br>Chairman of the Scientific Committee, Danish Colorectal Cancer Group<br>Chairman of the Radiotherapy group, Danish Colorectal Cancer Group<br>Chairman of the Clinical Cancer Research Centre, Aalborg University Hospital<br>Board member, ESMO’s Public Policy Committee                                                                                                                                                                    |                                                                                                                             |
| <b>Editing and reviews</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                             |

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| Ugeskrift for læger<br>Acta Oncology,<br>ESMO Open.                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                   |
| <b>Seminars /courses in own regime</b><br><br>PHD- exchange (Anna Slipsager), Lund and Malmö University<br>Research Group Oncology, Klitgården<br>Skagen CCRC Annual Meeting                                                                                                                                                                                                                                                    | May<br>5-6 September<br>24-25 October                                                                                             |
| <b>Congresses / conferences /meetings</b><br><br>ASCO GI, San Francisco, USA<br>ASCO Annual Meeting, Chicago, USA                                                                                                                                                                                                                                                                                                               | 17-21 January<br>31 May – 5 June                                                                                                  |
| <b>Andreas Carus</b>                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                   |
| <b>Appointment in organisations / boards</b><br><br>DaBlaCa (DMCG)<br>DaTeCa (DMCG)<br>NUCOG, styregruppe<br>DonCUro, Styregruppe<br>Formand, Fagudvalg for blærekræft, Medicinrådet<br>ONCO task force (ernæring)                                                                                                                                                                                                              |                                                                                                                                   |
| <b>Reviews</b><br><br>Poster-bedømmer, DSKO årsmøde                                                                                                                                                                                                                                                                                                                                                                             | 4-6 April                                                                                                                         |
| <b>Seminars /courses in own regime</b><br><br>Research Group Oncology, Klitgården, Skagen<br>CCRC Annual Meeting                                                                                                                                                                                                                                                                                                                | 5-6 September<br>24-25 October                                                                                                    |
| <b>Congresses / conferences /meetings</b><br><br>ESMO 2024<br>Nasjonalt GU symposium<br><br><i>ctDNA Testing in mCRPC</i><br>Kræftdag 2024, oral presentation<br>Danske Kræftforskningsdage, oral presentation<br>NUCOG møde<br>Webinar on Evidence assessment<br>Når samfundet slår kassen i – hvilke muligheder giver vi fremtidens patienter?<br>(English: When society fails – what options do we give to future patients?) | 13-17 September<br>6 November<br>(online)<br>30 October (online)<br>26 November<br>29-30 August<br>2 December<br>14 May<br>21 May |

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| Prostata Cancer Forum<br>Prostate Cancer Dx: Virtual medical education meeting<br>Det syvende princip: Fungerer det i praksis<br>(English: The Seventh Principle: Does it Work in Practice?<br>Post ESMO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2-3 May<br>12 April<br>4 March<br><br>8 October |
| <b>Weronika Szejniuk</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                 |
| <b>Faculty tasks – assessments</b><br><br>Ph.D. assessment, external opponent<br>Juul AD, MD: “Endoscopic diagnosis of peripheral lung lesions; Bronchoscopic techniques and cell free tumor DNA”, University of Southern Denmark<br>Ph.D. course: Introduction to Clinical Science, Laboratory and Translational Medicine                                                                                                                                                                                                                                                                                                                                                                                        | January 26<br><br>September                     |
| <b>Appointment in organisations / boards</b><br><br>Board member of the Clinical Cancer Research Center (CCRC)<br>Board member of the Danish Research Center for Lung Cancer<br>Board member of Elsevier’s International Advisory Review Board for Cancer Treatment and Research Communications                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |
| <b>Editing and reviews</b><br><br>Associate editor for European Clinical Respiratory Journal, Poster-bedømmer ved DSKO årsmøde 4-6 April                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                 |
| <b>Seminars /courses in own regime</b><br><br>Research Seminar, Klitgården, Skagen<br>Moderator and presentation on Lung cancer and mesothelioma<br>CCRC annual meeting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5-6 September<br>24-25 October                  |
| <b>Congressses / conferences /meetings</b><br><br>Oral presentation “Lung cancer and mesothelioma”, Lung Cancer Patient Group (Danish)<br><a href="https://lungekraeft.com/arrangementer/">https://lungekraeft.com/arrangementer/</a><br><br>Oral presentation “Lung cancer from suspicion to treatment”, North Jutland Cancer Days. Conference in collaboration with General Practitioners (Danish), September 2024,<br><a href="https://indd.adobe.com/view/2220d9ab-9621-459d-b2e0-3890f33ef96d">https://indd.adobe.com/view/2220d9ab-9621-459d-b2e0-3890f33ef96d</a><br><br>Oral presentation “Immunotherapy – what does it mean for cancer patients?”<br>Staff meeting, Aalborg University Hospital (Danish) | September<br><br>September<br><br>October       |

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| <p>Oral presentation (flash talk) “Challenges in proton treatment of moving targets”.<br/>4D workshop for particle therapy; ESTRO workshop (English), The Danish Centre for Particle Therapy, Aarhus<br/><a href="https://signuonline.events/4d-pt-workshop-2024/workshop-programme">https://signuonline.events/4d-pt-workshop-2024/workshop-programme</a></p> <p>Moderator and oral presentation “Fragility in patients with lung cancer”<br/>Multidisciplinary conference in collaboration with Onkologisk Tidsskrift (Danish)<br/><a href="https://webinarer.medtv.dk/den-skrobelige-lungecancerpatient/cea4d7d19a2cdac26c46/join">https://webinarer.medtv.dk/den-skrobelige-lungecancerpatient/cea4d7d19a2cdac26c46/join</a></p> | <p>November</p> <p>May</p>               |
| <b>Marie Louise Holm Milo</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                          |
| <p><b>Appointment in organisations / boards</b></p> <p>DBCG Board Member</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          |
| <p><b>Editing and reviews</b></p> <p>Radiotherapy and Oncology<br/>Breast<br/>ACTA Oncologica</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                          |
| <p><b>Seminars /courses in own regime</b></p> <p>Research Seminar, Klitgaarden, Skagen</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5-6 September                            |
| <p><b>Congressses / conferences /meetings</b></p> <p>Tværgående kræftsenfølger<br/>Estro, poster presentation, abstract<br/>Esmo</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p>11-12 March<br/>May<br/>September</p> |
| <b>Jimmy Søndergaard</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                          |
| <p><b>Appointment in organisations / boards</b></p> <p>Chairman of the Radiotherapy group DaProCa<br/>Board member DaProCa<br/>Board member DCCC-RT<br/>Board member, UTPS</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |
| <b>Congressses / conferences /meetings</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                          |

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| ESTRO<br>DCCC Annual meeting<br>Daproca Annual meeting (DMCG)                                                                                                                                                                                                                                                                                                                     |                                                |
| <b>Martin Skovmos Nielsen</b>                                                                                                                                                                                                                                                                                                                                                     |                                                |
| <b>Faculty tasks – assessments</b><br><br>Ph.D.-Supervision, Pre-PhD, Hella Maria Brøgger Sand<br>Ph.D.-Co-supervision, Dennis Tidemann Arp<br>PhD course, Patient involvement 3rd PhD Symposium on the Advances in Biomedical Engineering and Neuroscience                                                                                                                       | December                                       |
| <b>Appointment in organisations / boards</b><br><br>DAHANCA QA<br>OLIGO-DK<br>DCCC (+ re-irad, MR in RT)                                                                                                                                                                                                                                                                          |                                                |
| <b>Seminars /courses in own regime</b><br><br>Medical Physics Research Seminar<br>Research Seminar, Klitgården, Skagen<br>CCRC Annual Meeting, Rebild                                                                                                                                                                                                                             | May<br>5-6 September<br>24-25 October          |
| <b>Congressses / conferences /meetings</b><br><br>ESTRO<br>DAHANCA QA (protocol seminar)<br>OLIGO-DK<br>DCCC (+ re-irad, MR in RT)                                                                                                                                                                                                                                                | May<br>April, September<br>October<br>November |
| <b>Helle Enggaard</b>                                                                                                                                                                                                                                                                                                                                                             |                                                |
| <b>Faculty tasks – assessments</b><br><br>Internal opponent, Predefence, Department of Clinical medicine, Aalborg University. PhD-student: Sara Mandahl Ellehave. PhD-project title: Reducing Missed Nursing Care in Orthopedic Patients: Development and Feasibility Test of a Complex Intervention<br>PhD course on Mixed methods Research, 27-29 September, Aalborg University | 11 November<br><br>28 September                |
| <b>Appointment in organisations / boards</b><br><br>Danish Breast Cancer Group (DBCG) – Nursing Committee<br><br>Danish Research Network for Nurses in the Cancer Field (DFSK)                                                                                                                                                                                                    |                                                |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <p>Danish Comprehensive Cancer Center (DCCC): NAYAcare – National research network for and with young adults with cancer.</p> <p>International learning collaborative (ILC): Fundamentals of Care</p> <p>Danish Comprehensive Cancer Center (DCCC): The Interdisciplinary Hematological Research Network Denmark. Board member</p> <p>Clinical Cancer Research Center, Aalborg University Hospital. Board member</p> <p>The Nursing Documentation Advisory Board, Aalborg University Hospital</p> <p>Oncology Department User Council, Oncology department, Aalborg University Hospital</p> <p>Network for Nurses with Special Responsibility for Teaching and Development, Aalborg University Hospital. Chairperson in Collaboration with Lone Jørgensen</p> |                                                                                                                  |
| <p><b>Reviews</b></p> <p>European Journal of Oncology Nursing, Supportive Care in Cancer</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                  |
| <p><b>Seminars /courses in own regime</b></p> <p>Research Seminar, Klitgården</p> <p>International summer school, Psychiatry, Aalborg University Hospital</p> <p>Mixed methods methodology – designing and conducting a mixed methods study</p> <p>Workshop about nursing documentation, Aalborg University Hospital</p> <p>Thematic Afternoon Session about Basic Palliative Care in a Hospital Setting, Aalborg University Hospital</p> <p>Lecture on research in clinical nursing for nurses' joint union representatives in Denmark</p>                                                                                                                                                                                                                   | <p>5-6 September</p> <p>26-29 August</p> <p>27 February</p> <p>30 September</p> <p>29 May</p> <p>18 November</p> |
| <p><b>Congressses / conferences /meetings</b></p> <p>National Course for Dermatological Nurses. Key note on Fundamentals of Care</p> <p>Fundamentals of Care conference, Poster presentation, Oxford, UK</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <p>8 March</p> <p>7-8 June</p>                                                                                   |



The research group in Skagen in September 2024 for the research seminar.

# 4 Education

At the Faculty of Medicine, the number of medical students has continuously increased. In 2024 this resulted in a change in their clinical placement at Dept. of Oncology. Instead of one group for three weeks, the department had two different groups shared with other departments starting in the autumn semester 2024. From the one group two or three students stayed at our department for the full four weeks period and from the other group half of the group stayed with us for two weeks and changed with the other half of the group. This led to a more complicated logistic although the numbers do not seem so different from before.

All scientific staff as well as the PhD students are regularly involved in clinical teaching and lectures.

## Education, training and examinations

| Medical students             | Type                  | Students     |
|------------------------------|-----------------------|--------------|
| 8th semester, spring         | Case teaching         | Approx. 52   |
| 8th semester, spring         | Introduction lectures | 6            |
| 7th semester, autumn         | Case teaching         | Approx. 63   |
| 7th semester, autumn         | Introduction lectures | 3            |
| 12th semester, spring        | Examinations          | 3            |
|                              |                       |              |
| PhD-students                 |                       | Participants |
| Supervision                  | Pre-PhD projects      | 1            |
| Research student supervision | Bachelor projects     | 4            |
|                              | Masters projects      | 8            |

| Radiotherapy unit                                                                                                                                                    |                                                                      | Students/hours               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------|
| 3rd semester Spring, Introduction course for Radiographer students                                                                                                   | Classroom teaching<br>Two days (8 lessons per day)                   | Approx. 30 students          |
| 3rd semester Autumn, Introduction course for Radiographer students                                                                                                   | Classroom teaching<br>Two days (8 lessons per day)                   | Approx. 30 students          |
| 6th semester Spring, Radiotherapy S-Radiographer                                                                                                                     | Combined classroom and case teaching<br>Tree weeks course (75 hours) | 4-5 students                 |
| 6th semester Autumn, Radiotherapy S-Radiographer                                                                                                                     | Combined classroom and case teaching<br>Tree weeks course (75 Hours) | 4-5 students                 |
|                                                                                                                                                                      |                                                                      |                              |
| 7th semester UCN/AAUH                                                                                                                                                | Bachelor project                                                     | One student                  |
| 8th semester AAU/AAUH                                                                                                                                                | Pre-Master project                                                   | Three students               |
| 10th semester AAU/AAUH                                                                                                                                               | Master project                                                       | One student                  |
|                                                                                                                                                                      |                                                                      |                              |
| Dialogue meetings, seminars, workshops, training inhouse on new techniques in radiotherapy.<br>Teaching and Training of physicist in new treatment guideline (DMCGs) |                                                                      | Once a month<br>Three months |

# 5 Academic staff

## Senior scientists

| Positions                                           | 2019 | 2020 | 2021 | 2022 | 2023 |
|-----------------------------------------------------|------|------|------|------|------|
| Professor, one position (50%)                       | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  |
| Clinical associate professors<br>one position (20%) | 3.0  | 3.0  | 3.0  | 3.0  | 5.0  |
| Post Doc, cand.cur., one position (100%)            | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| Lector, one position (20%)                          | 1.0  | 2.0  | 2.0  | 2.0  | 1.0  |
| Secretary, one position (50%)                       | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |

## Junior scientists

| Positions                               | 2019 | 2020 | 2021 | 2022 | 2023 |
|-----------------------------------------|------|------|------|------|------|
| Clinical assistant, one position (100%) | 2.0  | 2.0  | 2.0  | 2.0  | 2.0  |

## Clinical Research Unit

| Positions                                                                                        | 2019 | 2020 | 2021 | 2022 | 2023 |
|--------------------------------------------------------------------------------------------------|------|------|------|------|------|
| Senior physician, one position                                                                   | 0.5  | 0.5  | 0.5  | 0.5  | 0.7  |
| Senior physicians, (12 fulltime positions, approx.<br>20% involved in scientific research)       | 2.2  | 2.2  | 2.2  | 2.2  | 2.2  |
| Study nurses and 1.8 secretary<br>10 positions, approx. 10% involved in scientific re-<br>search | 1.0  | 1.0  | 1.0  | 1.0  | 2.8  |

# 6 Financial report

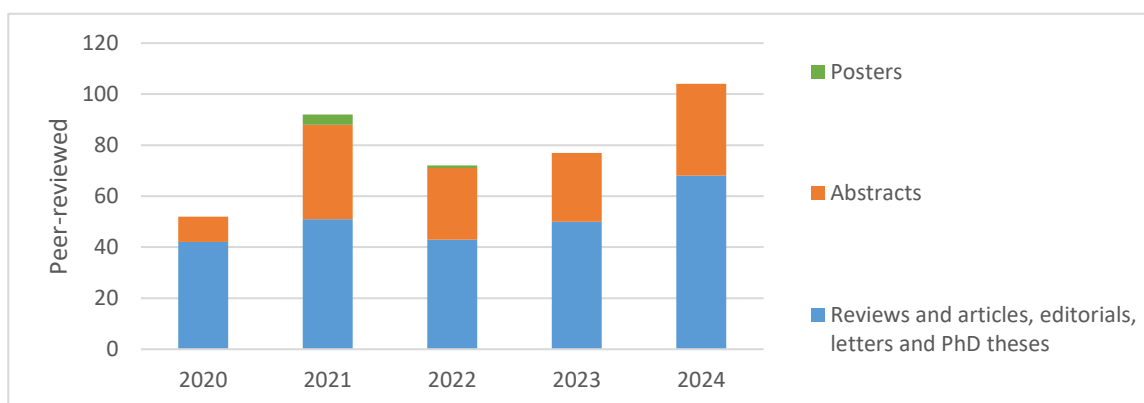
## External financing

|                                                | Amount in 1,000 DKK<br>(approx.) |
|------------------------------------------------|----------------------------------|
| Local grants (balance as of 31 December 2024): |                                  |
| Obel fund                                      | 290                              |
| Trial Nation                                   | 164                              |
| Neye Fund                                      | 129                              |
| Aalborg Universitet                            | 44                               |
| Grants from DCCC                               | 167                              |
| Kræftens Bekæmpelse                            | 402                              |
| H.E. and N.C. Brogaard Fund                    | 1.700                            |
| Ebba and Aksel Schølin's fund                  | 98                               |
| - Klinik Kirurgi og Kræftbehandling            | 124                              |
| Donation fund                                  | 38                               |
| Heritage – Boet efter Villy Naundrup Petersen  | 388                              |
| Ph.d. Projects                                 | 313                              |
| Faglig udvikling, Palliative Team              | 100                              |
| UNCAN EU                                       | 38                               |
| Total                                          | 3,995                            |

The support for academic protocols from the clinical research unit is not included.

# 7

## Scientific publications



| Type                               | Publikationsart | Antal      |
|------------------------------------|-----------------|------------|
| Journal article                    | Forskning       | 60         |
| Conference abstract in journal     | Forskning       | 34         |
| Conference abstract for conference | Forskning       | 2          |
| Letter                             | Forskning       | 2          |
| Review article                     | Forskning       | 2          |
| Article in proceeding              | Forskning       | 1          |
| Conference abstract in proceeding  | Forskning       | 1          |
| <b>I alt</b>                       |                 | <b>104</b> |

## Publications 2024

### **375P Results from the Danish Breast Cancer Group's (DBCG) NAME-trial: A direct comparison of oral navelbine given either classic or metronomic in metastatic breast cancer**

Brems-Eskildsen, A. S., Kenholm, J., Brixen, A. T. L., Rønlev, J. D., Stenbygaard, L. E., Danoe, H., Grunnet, M., Jakobsen, E. H., Neimann, J., Geisler, J., Glavicic, V. & Langkjer, S. T., sep. 2024, I: *Annals of Oncology*. 35, Suppl. 2, s. S376 1 s., 375P.

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning

### **755P Beyond HRD status: Unraveling genetic variants impacting PARP inhibitor sensitivity in advanced ovarian cancer**

Kjeldsen, M. K., Grønseth, D. B. S., Nyvang, G.-B., Haslund, C. A., Malander, S., Anttila, M. A., Lindahl, G., Mäenpää, J., Dimoula, M., Werner, T., Iversen, T. Z., Hietanen, S., Fokdal, L., Dahlstrand, H., Bjorge, L., Rossing, M. & Mirza, M. R., sep. 2024, I: *Annals of Oncology*. 35, Suppl. 2, s. S573 1 s., 755P.

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning

### **Acute toxicities in proton therapy for head and neck cancer - A matched analysis of the DAHANCA 35 feasibility study**

Nowicka-Matus, K., Friberg, J., Hansen, C. R., Bernsdorf, M., Elstrøm, U. V., Farhadi, M., Grau, C., Eriksen, J. G., Johansen, J., Nielsen, M. S., Holm, A., Samsøe, E., Sibolt, P., Smulders, B. & Jensen, K., sep. 2024, I: *Clinical and translational radiation oncology*. 48, 7 s., 100835.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

### **An open source auto-segmentation algorithm for delineating heart and substructures - Development and validation within a multicenter lung cancer cohort**

Olloni, A., Lorenzen, E. L., Jeppesen, S. S., Diederichsen, A., Finnegan, R., Hoffmann, L., Kristiansen, C., Knap, M., Milo, M. L. H., Møller, D. S., Pøhl, M., Persson, G., Sand, H. M. B., Sarup, N., Slot Thing, R., Brink, C. & Schytte, T., feb. 2024, I: *Radiotherapy and Oncology*. 191, 110065.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

### **Association of clinical features with long-term survival in patients with melanoma who responded to distinct checkpoint inhibitors**

Ellebaek, E., Khan, S., Borch, T. H., Guldbrandt, L. M., Friis, R. B., Schmidt, H., Luczak, A. A., Ruhlmann, C. H., Bastholt, L., Svane, I. M. & Donia, M., sep. 2024, I: *Annals of Oncology*. 35, Suppl. 2, s. S734-S735 2 s., 1109P.

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning

### **Benefit of respiratory gating in the Danish Breast Cancer Group partial breast irradiation trial**

Høgsgjerg, K. W., Maae, E., Nielsen, M. H., Stenbygaard, L., Pedersen, A. N., Yates, E., Berg, M., Lorenzen, E. L., Jensen, I., Josipovic, M., Thomsen, M. S. & Offersen, B. V., maj 2024, I: *Radiotherapy and Oncology*. 194, 6 s., 110195.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

### **Beyond HRD status: Unraveling Genetic Variants Impacting PARP Inhibitor Sensitivity in Advanced Ovarian Cancer**

Kjeldsen, M. K., Jørgensen, M., Grønseth, D. S. B., Schønemann-Lund, M., Nyvang, G.-B., Haslund, C. A., Knudsen, A. O., Motavaf, A. K., Malander, S., Anttila, M., Lindahl, G., Mäenpää, J., Dimoula, M., Werner, T. L., Iversen, T. Z., Hietanen, S., Fokdal, L., Dahlstrand, H., Bjørge, L., Birrer, M. J., Mirza, M. R. & Rossing, M., dec. 2024, I: *Cancer Research Communications*. 4, 12, s. 3190-3200 11 s.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

### **Breast induration and irradiated volume in the DBCG HYPO trial: The impact of age, smoking, and boost**

Thomsen, M. S., Alsner, J., Lutz, C. M., Berg, M., Jensen, I., Lorenzen, E. L., Nielsen, H. M., Jakobsen, E. H., Stenbygaard, L., Nielsen, M. H., Jensen, M.-B., Overgaard, J., Offersen, B. V. & DBCG RT Committee, dec. 2024, I: *Radiotherapy and Oncology*. 201, 7 s., 110574.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

### **Circulating tumor DNA guided treatment monitoring in advanced lung cancer - a randomized interventional study**

Andersen, M. E., Haugaard, C., Szejniuk, W. M., Pallisgaard, N., Madsen, M. G., Mikkelsen, M. D., Ahlborn, L., Gehl, J. & Frank, M. S., jun. 2024, *Abstract Book: Danske Kræftforskningsdage 29. - 30. august 2024*. 1. udg. Danmark: Danish Comprehensive Cancer Center, s. 162-162 1 s.

Publikation: Bidrag til bog/antologi/rapport/konference proceeding › Konferenceabstrakt i proceeding › Forskning › peer review

### **Comparative analysis of Wax and 3D printed Bolus for Radiotherapy of the nose**

Nielsen, M. S., Kristensen, C. S., Sørensen, T. O. K. & Andersen, M., maj 2024, I: *Radiotherapy and Oncology*. 194, Suppl. 1, s. S4024-S4027

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

### **Considerations for study design in the DAHANCA 35 trial of protons versus photons for head and neck cancer**

Friberg, J., Jensen, K., Eriksen, J. G., Samsøe, E., Maare, C., Farhadi, M., Sibolt, P., Nielsen, M., Andersen, M., Holm, A. I. S., Skyt, P., Smulders, B., Johansen, J., Overgaard, J., Grau, C. & Hansen, C. R., jan. 2024, I: *Radiotherapy & Oncology*. 190, 7 s., 109958.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

### **DaBlaCa-17: nationwide observational study in Denmark on survival before and after implementation of neoadjuvant chemotherapy prior to cystectomy for muscle-invasive bladder cancer**

Körner, S. K., Dreyer, T., Carus, A., Dohn, L. H., Joensen, U. N., Lam, G. W., Jensen, N. V., Fabrin, K., Jensen, T. K., Pappot, H., Agerbæk, M. & Jensen, J. B., 26 feb. 2024, I: *Scandinavian Journal of Urology*. 59, s. 39-46 8 s.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Development and comprehensive evaluation of a national DBCG consensus-based auto-segmentation model for lymph node levels in breast cancer radiotherapy**

Buhl, E. S., Lorenzen, E. L., Refsgaard, L., Nielsen, A. W. M., Brixen, A. T. L., Maae, E., Holm, H. S., Schøler, J., Thai, L. M. H., Matthiessen, L. W., Maraldo, M. V., Nielsen, M. M., Johansen, M. B., Milo, M. L., Mogensen, M. B., Nielsen, M. H., Møller, M., Sand, M., Schultz, P., Al-Rawi, S. A. J., Esser-Naumann, S., Yammeni, S., Petersen, S. E., Offersen, B. V. & Korreman, S. S., dec. 2024, I: Radiotherapy and Oncology. 201, 8 s., 110567.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Development of photon and proton RT plan quality in the clinical H&N trial DAHANCA 35**

Nielsen, C. P., Jensen, K., Krogh, S. L., Brink, C., Lorenzen, E. L., Smulders, B., Holm, A. I. S., Samsøe, E., Nielsen, M. S., Sibolt, P., Skyt, P. S., Elstrøm, U. V., Johansen, J., Zukauskaitė, R., Eriksen, J. G., Farhadi, M., Andersen, M., Maare, C., Overgaard, J., Grau, C., Friborg, J. & Hansen, C. R., mar. 2024, I: Radiotherapy and Oncology. 192, Suppl. 1, s. S49-S52 4 s., 183.

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

**Diagnostic accuracy and clinical value of [68Ga]Ga-FAPI-46 PET/CT for staging patients with ovarian cancer: study protocol for a prospective clinical trial**

Bentestuen, M., Ladekarl, M., Knudsen, A. & Zacho, H. D., 7 jun. 2024, I: BMC Cancer. 24, 1, 9 s., 699.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Does patient sex affect the treatment outcome of immune checkpoint inhibitors? A Danish, observational melanoma study**

Petersen, S. K., Hansen, C. R., Ellebaek, E., Schmidt, H., Haslund, C. A., Ruhlmann, C. H. & Bastholt, L., jul. 2024, I: European Journal of Cancer. 205, 8 s., 114099.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Dorsal tumour shift in lung SBRT: Impact of gravity**

Brincker, M. & Sand, H., sep. 2024, I: Physica Medica. 125, Suppl. 1, 103490.

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

**Early Mortality After Curative-intent Radiotherapy in Patients With Locally Advanced Non-small Cell Lung Cancer-A Population-based Cohort Study**

Jensen, K. H., Persson, G., Pøhl, M., Frank, M. S., Hansen, O., Schytte, T., Kristiansen, C., Knap, M., Skovborg, M., Vogelius, I. R. & Friborg, J., dec. 2024, I: Clinical Oncology. 36, 12, s. 757-764 8 s.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Effect of adjuvant chemotherapy after pancreatectomy in patients with node-negative pancreatic cancer: target trial emulation**

Kirkegård, J., Ladekarl, M., Johannsen, I. R. & Mortensen, F., 3 jan. 2024, I: British Journal of Surgery. 111, 1, znad398.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Effects of on-site Supportive Communication Training (On-site SCT) on doctor-patient communication in oncology: Study protocol of a randomized, controlled mixed-methods trial**

KK, A., AT, J., LØ, P., JD, L., L., S, E.-N., S, T. & LH, J., 10 maj 2024, I: BMC Medical Education. 24, 1, 11 s., 522.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Efficacy and safety of regorafenib as a first-line agent alone or in combination with an immune checkpoint inhibitor for advanced hepatocellular carcinoma: a retrospective cohort study**

Yu, J., Bai, Y., Cui, Z., Cheng, C., Ladekarl, M., Cheng, K.-C., Chan, K. S., Yarmohammadi, H., Mauriz, J. L. & Zhang, Y., 30 jun. 2024, I: Journal of gastrointestinal oncology. 15, 3, s. 1072-1081 10 s.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Efficacy of Ipilimumab and Nivolumab in Patients with Melanoma and Brain Metastases-A Danish Real-World Cohort**

Kattenhøj, K. D., Moberg, C. L., Guldbrandt, L. M., Friis, R. B., Mapendano, C. K., Petersen, S. K., Ruhlmann, C. H. B., Svane, I. M., Donia, M., Ellebaek, E. & Schmidt, H., 17 jul. 2024, I: Cancers. 16, 14, 11 s., 2559.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Efficacy of nivolumab versus pembrolizumab in rmHNSCC. A prospective national multicenter study.**

Søby, S., Gothelf, A., Gyldenkerne, N., Bentzen, J., Andersen, M., Tramm, T. & Eriksen, J. G., mar. 2024, I: Radiotherapy and Oncology. 192, Suppl. 1, s. S130-S133 4 s., 116.

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

**Epidemiology and treatment outcome of nasopharyngeal carcinoma in a low-incidence population - a DAHANCA analysis in Denmark 2000-2018**

Schiess, E., Jensen, K. H., Kristensen, M. H., Johansen, J., Eriksen, J. G., Maare, C., Andersen, M., Farhadi, M., Hansen, C. R., Overgaard, J., Hjalgrim, L. L., Lelkaitis, G. & Friborg, J., 4 nov. 2024, I: Acta oncologica (Stockholm, Sweden). 63, s. 850-857 8 s.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**EQD2 correction is necessary for a correct dose accumulation in reirradiation of rectal cancer**

Rønde, H. S., Kallehauge, J. F., Truelsen, C. G., Spindler, K.-L. G., Poulsen, L. Ø., Havelund, B. M., Iversen, L. H., Pedersen, B. G. & Kronborg, C. J. S., maj 2024, I: Radiotherapy and Oncology. 194, Suppl. 1, s. S4590-S4593

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

**Evaluating Danish Breast Cancer Group locoregional radiotherapy guideline adherence in clinical treatment data 2008-2016: The DBCG RT Nation study**

Refsgaard, L., Skarsø Buhl, E., Yates, E., Maae, E., Berg, M., Al-Rawi, S., Saini, A., Vestmø Maraldo, M., Boye, K., Louise Holm Milo, M., Jensen, I., Wichmann Matthiessen, L., Nørring Bekke, S., Holck Nielsen, M., Laugaard Lorenzen, E., Bech Jellesmark Thorsen, L., Sofia Korreman, S. & Vrou Offersen, B., okt. 2024, I: Radiotherapy and Oncology. 199, 6 s., 110289.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Evaluation of cardiac implantable electronic device lead parameters before and after radiotherapy**  
Larsen, M. B., Jakobsen, A. R., Lundbye-Christensen, S., Riahi, S., Thøgersen, A. M. & Zaremba, T., sep. 2024, I: Pacing and Clinical Electrophysiology. 47, 9, s. 1176-1184 9 s.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Evaluation of decentralised model-based selection of head and neck cancer patients for a proton treatment study. DAHANCA 35**

Hansen, C. R., Jensen, K., Smulders, B., Holm, A. I. S., Samsøe, E., Nielsen, M. S., Sibolt, P., Skyt, P., Elstrøm, U. V., Nielsen, C. P., Johansen, J., Zukauskaitė, R., Eriksen, J. G., Farhadi, M., Andersen, M., Andersen, E., Overgaard, J., Grau, C. & Friborg, J., jan. 2024, I: Radiotherapy and Oncology. 190, 7 s., 109812.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Extracting Systemic Anticancer Treatment Lines from the Danish National Patient Registry for Solid Tumour Patients Treated in the North Denmark Region Between 2009 and 2019**

Vesteghem, C., Bøgsted, M., Cronin-Fenton, D. & Poulsen, L. Ø., 6 mar. 2024, I: Clinical Epidemiology. 16, s. 165-174 10 s.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Frequency and characteristics of immune-related thyroid adverse events in patients with resected stage III/IV melanoma treated with adjuvant PD-1 inhibitors: a national cohort study**

Christensen, S. K., Winther, M. L., Laursen, I. J., Madsen, F. S., Brink, C., Brix, T. H., Ellebaek, E., Svane, I. M., Hansen, F. S., Haslund, C., Laursen, O. K., Schmidt, H., Larsen, I. D., Bastholt, L. & Ruhlmann, C. H., 10 apr. 2024, I: Supportive Care in Cancer. 32, 5, 10 s., 281.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Germline variants in patients with end-stage cancer**

Lundsgaard, M., Mapendano, C., Sønderkær, M., Ernst, A., Pedersen, I. S., Nohr, A. K., Ladekarl, M. & Sunde, L., 8 jan. 2024, I: European Journal of Human Genetics. 32, Suppl. 1, s. 557 1 s., P13.039.C.

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

**Heart and Lung Dose as Predictors of Overall Survival in Patients With Locally Advanced Lung Cancer. A National Multicenter Study**

Olloni, A., Brink, C., Lorenzen, E. L., Jeppesen, S. S., Hofmann, L., Kristiansen, C., Knap, M. M., Møller, D. S., Nygård, L., Persson, G. F., Thing, R. S., Sand, H. M. B., Diederichsen, A. & Schytte, T., apr. 2024, I: JTO clinical and research reports. 5, 4, 11 s., 100663.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**HERES trial: Trastuzumab and standard treatment with chemo- and immunotherapy as first-line treatment for HER2positive esophageal squamous cell carcinoma patients**

Egebjerg, K., Baeksgaard, L., Garbyal, R., Pfeiffer, P., Caterino, T., Bjerregaard, J. K., Yilmaz, M. N., Wanders, A., Thorsen, L. B. J., Dutoit, S. H., Ahlborn, L., Pallisgaard, N. & Mau-Sørensen, P. M., jun. 2024, I: Annals of Oncology. 35, Suppl. 1, s. S195-S196 2 s., 492TiP.

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning

**High-dose loco-regional pattern of failure after primary radiotherapy in p16 positive and negative head and neck squamous cell carcinoma - A DAHANCA 19 study**

Kristensen, M. H., Holm, A. I. S., Hansen, C. R., Zukauskaitė, R., Samsøe, E., Maare, C., Johansen, J., Primdahl, H., Bratland, Å., Kristensen, C. A., Andersen, M., Overgaard, J. & Eriksen, J. G., maj 2024, I: Clinical and translational radiation oncology. 46, 8 s., 100772.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Identification of bladder cancer patients that could benefit from early post-cystectomy immunotherapy based on serial circulating tumour DNA (ctDNA) testing: Preliminary results from the TOMBOLA trial**

Bjerggaard Jensen, J., Birkenkamp-Demtröder, K., Nordentoft, I., Milling, R. V., Körner, S. K., Brandt, S. B., Knudsen, M., Lam, G. W., Dohn, L. H., Fabrin, K., Carus, A., Petersen, A., Joensen, U. N., Pappot, H., Holt, P. S., Jensen, N. V., Agerbæk, M. & Dyrskjot, L., sep. 2024, I: Annals of Oncology. 35, Suppl. 2, s. S1133 1 s., 1960O.

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning

**Immune-related adverse events in a nationwide cohort of real-world melanoma patients treated with adjuvant anti-PD1 - Seasonal variation and association with outcome**

Jurlander, R. S., Guldbrandt, L. M., Holmstroem, R. B., Madsen, K., Donia, M., Haslund, C. A., Schmidt, H., Bastholt, L., Ruhlmann, C. H., Svane, I. M. & Ellebaek, E., nov. 2024, I: European Journal of Cancer. 212, 9 s., 115053.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Impact on Survival of Early Versus Late Initiation of Adjuvant Chemotherapy After Pancreatic Adenocarcinoma Surgery: A Target Trial Emulation**

Kirkegård, J., Ladekarl, M., Lund, A. & Mortensen, F., feb. 2024, I: Annals of Surgical Oncology. 31, 2, s. 1310-1318 9 s.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Individual lymph node position variation for rectal cancer patients treated with long course chemoradiotherapy**

Arp, D. T., Appelt, A. L., Brøndum, R. F., Mikalson, R., Nielsen, M. S. & Poulsen, L. Ø., jul. 2024, I: Physics and imaging in radiation oncology. 31, 7 s., 100599.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Inter-fraction motion robustness in a prospective phase II trial on dose-escalated proton reirradiation for locally recurrent rectal cancer**

Truelsen, C. G., Rønde, H. S., Kallehauge, J. F., Poulsen, L. Ø., Havelund, B. M., Pedersen, B. G., Iversen, L. H., Spindler, K.-L. G. & Kronborg, C. S., jul. 2024, I: Physics and imaging in radiation oncology. 31, 7 s., 100634.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

### **International Validation of the Immunoscore Biopsy in Patients With Rectal Cancer Managed by a Watch-and-Wait Strategy**

El Sissy, C., Kirilovsky, A., Lagorce Pagès, C., Marliot, F., Custers, P. A., Dizdarevic, E., Sroussi, M., Castillo-Martin, M., Haicheur, N., Dermiani, M., Loche, N., Buttard, B., Musina, A. M., Anitei, M. G., van den Berg, J. G., Broeks, A., Iseas, S., Coraglio, M., Loria, F. S., Romero, A., Laurent-Puig, P., de Reyniès, A., Fernandez, L. M., Karoui, M., Tougeron, D., Vaccaro, C. A., Santino, J. P., Poulsen, L. Ø., Lindebjerg, J., O'Connor, J. M., Scripcariu, V., Dimofte, M.-G., Gérard, J.-P., Chalabi, M., Figueiredo, N., Perez, R. O., Habr-Gama, A., Galon, J., Hansen, T. F., Jensen, L. H., Beets, G., Zeitoun, G. & Pagès, F., 1 jan. 2024, I: Journal of clinical oncology : official journal of the American Society of Clinical Oncology. 42, 1, s. 70-80 11 s.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

### **Interobserver variation in organs at risk contouring in head and neck cancer according to the DA-HANCA guidelines**

Nielsen, C. P., Lorenzen, E. L., Jensen, K., Eriksen, J. G., Johansen, J., Gyldenkerne, N., Zukauskaitė, R., Kjellgren, M., Maare, C., Lønkvist, C. K., Nowicka-Matus, K., Szejniuk, W. M., Farhadi, M., Ujmajuridze, Z., Marienhagen, K., Johansen, T. S., Friberg, J., Overgaard, J. & Hansen, C. R., aug. 2024, I: Radiotherapy and Oncology. 197, 9 s., 110337.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

### **Investigating treatment plan quality for photon and proton RT in the clinical trial DAHANCA 35**

Nielsen, C. P., Jensen, K., Krogh, S. L., Brink, C., Lorenzen, E. L., Smulders, B., Holm, A. I. S., Samsøe, E., Nielsen, M. S., Sibolt, P., Skyt, P. S., Elstrøm, U. V., Johansen, J., Zukauskaitė, R., Eriksen, J. G., Farhadi, M., Andersen, M., Maare, C., Overgaard, J., Grau, C., Friberg, J. & Hansen, C. R., maj 2024, I: Radiotherapy and Oncology. 194, Suppl. 1, s. 4787-S4792

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

### **Lung cancer patients with anaplastic lymphoma kinase rearrangement lose affiliation with labor market at diagnosis**

Andersen, J. L., Johansen, J. S., Urbanska, E. M., Meldgaard, P., Hjorth-Hansen, P., Kristiansen, C., Stelmach, M., Santoni-Rugiu, E., Ulhøi, M. P., Højgaard, B., Jensen, M. S., Dydensborg, A. B., Duenweber, C. & Hansen, K. H., 2024, I: Lung cancer management. 13, 1, 11 s., LMT68.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

### **Mandible osteoradionecrosis after high-dose radiation therapy for head and neck cancers: risk factors and dosimetric analysis**

Merring-Mikkelsen, L., Brincker, M. H., Andersen, M., Yildirim, Ö. K. & Nielsen, M. S., 6 maj 2024, I: Acta Oncologica. 63, 1, s. 273-276 4 s.

Publikation: Bidrag til tidsskrift › Letter › peer review

### **Multicentre dose accumulation study for reirradiation: radiobiology outweighs DIR algorithm**

Wahlstedt, I., Christiansen, R. L., Elstrøm, U. V., Jensen, K., Kaplan, L. P., Lund, M. D., Nielsen, M. S., Nyeng, T. B., Ottoson, W., Argota-Pérez, R., Thomsen, S. N., Tobin, R. J., Worm, E. S. & Hoffmann, L., maj 2024, I: Radiotherapy and Oncology. 194, Suppl. 1, s. S4743-S4746

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

#### **National consensus-based bespoke automatic delineation of thoracic organs at risk**

Thorsen, L. B. J., Mortensen, H. R., Hoffmann, L., Aagaard, T., Knap, M. M., Nyeng, T. B., Szejniuk, W. M., Persson, G., Pøhl, M., Nordsmark, M., Weber, B., Kristiansen, C., Land, L. H., Borissova, S., Larsen, I. D., Khalil, A. A., Mortensen, L. S., Schmidt, H. H., Korreman, S. S., Kyndt, M. & Møller, D. S., maj 2024, I: *Radiotherapy and Oncology*. 194, Suppl. 1, s. S3005-S3009

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

#### **National guidelines for QA of deformable dose mapping: Feasibility and effect on dose prescription**

Kaplan, L. P., Wahlstedt, I., Christiansen, R. L., Nilsen, M. S., Osorio, E. V., Bebek, M., Thisaruban, B., Hofland, K. F., Horvath, V., Stelmach, M. J. & Hoffmann, L., maj 2024, I: *Radiotherapy and Oncology*. 194, Suppl. 1, s. S4762-S4766

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

#### **Niraparib first-line maintenance therapy in patients with newly diagnosed advanced ovarian cancer: final overall survival results from the PRIMA/ENGOT-OV26/GOG-3012 trial**

Monk, B. J., Barretina-Ginesta, M. P., Pothuri, B., Vergote, I., Graybill, W., Mirza, M. R., McCormick, C. C., Lorusso, D., Moore, R. G., Freyer, G., O'Cearbhaill, R. E., Heitz, F., O'Malley, D. M., Redondo, A., Shahin, M. S., Vulsteke, C., Bradley, W. H., Haslund, C. A., Chase, D. M., Pisano, C., Holman, L. L., Pérez, M. J. R., DiSilvestro, P., Gaba, L., Herzog, T. J., Bruchim, I., Compton, N., Shtessel, L., Malinowska, I. A. & González-Martín, A., nov. 2024, I: *Annals of Oncology*. 35, 11, s. 981-992 12 s.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

#### **Nodal boost in breast cancer patients with PET positive nodes in addition to adjuvant radiotherapy**

Milo, M. L. H., Jensen, I., Møller, M. & Falkmer, U. G. I., maj 2024, I: *Radiotherapy and Oncology*. 194, Suppl. 1, s. S488-S489

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

#### **Nordic NEC 2: Characteristics, treatment benefit and survival in a prospective cohort of 700 high-grade digestive neuroendocrine neoplasms (NET G3 and NEC)**

Sorbye, H., Hjortland, G. O., Vestermark, L., Ladekarl, M., Svensson, J., Jansson, E. T., Morken, S., Asmuss, J., Knigge, U., Couvelard, A., Perren, A. & Langer, S., mar. 2024.

Publikation: Konferencebidrag uden forlag/tidsskrift › Konferenceabstrakt til konference › Forskning › peer review

#### **No survival effect of adjuvant chemotherapy in patients with node-negative pancreatic cancer – a target trial emulation study of real word data**

Kirkegård, J., Ladekarl, M., Johannsen, I. R. & Mortensen, F., 24 maj 2024, I: *H P B*. 26, Suppl. 1, s. S121-S121 1 s.

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

#### **OAR dose optimisation for the TORPEdO trial (CRUK/18/010) benchmark plan**

Tyler, J., Baines, H., Hall, E., Miles, E., Nyström, H., Nyström, P., Phillips, J., Simoes, R. & Thomson, D., maj 2024, I: *Radiotherapy and Oncology*. 194, Suppl. 1, s. S4899-S4902

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

### **OPTIMIZING RADIOTHERAPY BOOST FOR RECTAL CANCER**

Arp, D. T., 2024, Aalborg University Open Publishing.

Publikation: Ph.d.-afhandling

### **OPTIMIZING TUMOR TREATING FIELDS THERAPY FOR FIRST RECURRENT GLIOBLASTOMA WITH SKULL REMODELING SURGERY. FINAL RESULTS FROM OPTIMALTTF-2, A MULTI-CENTER, RANDOMIZED, CLINICAL TRIAL**

Mikic, N., Skjøth-Rasmussen, J., Poulsen, F. R., Laursen, R. J., Lukacova, S., Møller, S., Haslund, C. A., Dahlrot, R. H., Skeidsvoll Solheim, O., Skeidsvoll Solheim, T., Sørensen, J. C. H., T Wong, E. & Korshøj, A. R., nov. 2024, I: *Neuro-Oncology*. 26, Suppl. 8, s. viii281 1 s., NOAE165.1112.

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

### **Outcome of adjuvant immunotherapy in a real-world nation-wide cohort of patients with melanoma**

Holmstroem, R. B., Pedersen, S., Jurlander, R., Madsen, K., Donia, M., Ruhlmann, C. H., Schmidt, H., Haslund, C. A., Bastholt, L., Svane, I. M. & Ellebaek, E., maj 2024, I: *European Journal of Cancer*. 202, 9 s., 114023.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

### **Patient satisfaction after kilovoltage therapy of basal cell carcinoma: a national prospective study**

Brændstrup, O. N., Lassen, P., Gothelf, A. B., De Blanck, S. R., Friborg, J., Lonkvist, C. K., Nielsen, A. L., Primdal, H., Hanan, G., Toure, M., Andersen, M., Nowicka-Matus, K., Kjeldsen, R. & Eriksen, J. G., maj 2024, I: *Radiotherapy and Oncology*. 194, Suppl. 1, s. S2102-S2104

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

### **Patterns of care and survival in patients with multifocal glioblastoma: A Danish cohort study**

Trip, A. K., Dahlrot, R. H., Haslund, C. A., Muhic, A., Korshøj, A. R., Laursen, R. J., Poulsen, F. R., Skjøth-Rasmussen, J. & Lukacova, S., aug. 2024, I: *Neuro-oncology practice*. 11, 4, s. 421-431 11 s., npae020.

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### **PD-L1 is a biomarker of real-world clinical outcomes for anti-CTLA-4 plus anti-PD-1 or anti-PD-1 monotherapy in metastatic melanoma**

Ellebaek, E., Khan, S., Bastholt, L., Schmidt, H., Haslund, C. A., Donia, M. & Svane, I. M., feb. 2024, I: *European Journal of Cancer*. 198, 8 s., 113476.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

### **Pembrolizumab followed by irreversible electroporation of a liver metastasis in pancreatic cancer patients**

Flak, R. V., Kofod-Olsen, E., Sølvsten, N. D., Naujokaite, G., Agger, R., Stender, M. T., Christensen, S., Shim, S., Poulsen, L. Ø., Detlefsen, S., Thorlasius-Ussing, O. & Ladekarl, M., 18 okt. 2024, I: *iScience*. 27, 10, 19 s., 111026.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Positive predictive value and sensitivity of cancer-associated venous thromboembolism diagnoses in the Danish National Patient Register**

Overvad, T. F., Severinsen, M. T., Johnsen, S. P., Madsen, S. S., Kannik, K., Stenfeldt, L. G., Larsen, T. B. & Nielsen, P. B., sep. 2024, I: *Thrombosis Research*. 241, 6 s., 109074.

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**Prognostic factors for relapse in patients with clinical stage I testicular non-seminoma: A nation-wide, population-based cohort study**

Wagner, T., Toft, B. G., Lauritsen, J., Bandak, M., Christensen, I. J., Engvad, B., Kreiberg, M., Agerbæk, M., Dysager, L., Carus, A., Rosenvilde, J. J., Berney, D. & Daugaard, G., maj 2024, I: *European Journal of Cancer*. 202, 114025.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Promising microRNAs in pre-diagnostic serum associated with lung cancer up to eight years before diagnosis: a HUNT study**

Fotopoulos, I., Nguyen, O. T. D., Nøst, T. H., Markaki, M., Lagani, V., Mjelle, R., Sandanger, T. M., Sætrum, P., Tsamardinos, I. & Røe, O. D., 20 jul. 2024, I: *Journal of cancer research and clinical oncology*. 150, 7, 14 s., 355.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**ProTarget – An investigator-initiated Danish Nationwide Clinical Trial on Targeted Cancer Treatment based on Genomic Profiling. Trial, Overview and Status**

Kringelbach, T., Højgaard, M., Rohrberg, K., Spanggaard, I., Laursen, B., Ladekarl, M., Lörincz, T., Belcaid, L., Gehl, J., Søndergaard, L., Eefsen, R., Hansen, K., Kodahl, A., Jensen, L., Holt, M., Oellegaard, T., Brøndum, L., Lorentzen, T., Yde, C., Ahlborn, L. & Lassen, U., jun. 2024, *Abstract Book: Danske Kræft-forskningsdage*. 1 udg. Danish Comprehensive Cancer Center, s. 16-17 2 s.

Publikation: Bidrag til bog/antologi/rapport/konference proceeding › Konferenceabstrakt i proceeding › Forskning › peer review

**Proton therapy robustness in a pilot study prior to a randomised trial for high-risk prostate cancer**

Tilbæk, S., Petersen, S. E., Stolarczyk, L., Vestergaard, A., Rønne, H. S., Bentzen, L. N., Søndergaard, J., Høyer, M. & Muren, L. P., maj 2024, I: *Radiotherapy and Oncology*. 194, Suppl. 1, s. S4884-S4887

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

**PSMA PET/CT improves overall survival in men with biochemical recurrent prostate cancer who are treated with salvage radiotherapy; A national cohort study**

Mogensen, A., Torp-Pedersen, C., Nørgaard, M., Petersen, L., Kempel, M. & Zacho, H., sep. 2024, I: *European Journal of Nuclear Medicine and Molecular Imaging*. 51, Suppl. 1, s. S197-S198 2 s., OP-429.

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

**Quality assurance for automatic deformable propagation of gross tumor volume on four-dimensional CT**

Sand, H., Brincker, M., Delekta, A. & Szejniuk, W. M., maj 2024, I: *Radiotherapy and Oncology*. 194, Suppl. 1, s. S4758-S4762

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

### **Quality assurance of internal mammary node irradiation 2007-14: The DBCG IMN2 study**

Nielsen, A. W. M., Buhl, E. S., Refsgaard, L., Thomsen, M. S., Andersen, K., Jensen, I., Berg, M., Lorenzen, E. L., Thorsen, L. B. J., Overgaard, J., Korreman, S. S. & Offersen, B. V., maj 2024, I: *Radiotherapy and Oncology*. 194, Suppl. 1, s. S511-S514

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

### **SABR of bony oligometastases, 1-year, efficacy, and toxicity analyses from the Bony-M trial**

Spindler, N. J., Felter, M. V. O., Hansen, O., Nielsen, T. B., Suppli, M. H., Josipovic, M., Poulsen, L. Ø., Gaard-Petersen, F., Andersen, M. B., Sand, H. M. B., Johansen, M., Madsen, K., Kornerup, J. S., Alsaker, M. D., Serup-Hansen, E., Eefsen, R. L., Vogelius, I. R., Geertsen, P., Behrens, C. P. & Persson, G. F., maj 2024, I: *Radiotherapy and Oncology*. 194, Suppl. 1, s. S2004-S2007

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

### **Safety Analyses of the Phase 3 VISION Trial of [177Lu]Lu-PSMA-617 in Patients with Metastatic Castration-resistant Prostate Cancer**

Chi, K. N., Armstrong, A. J., Krause, B. J., Herrmann, K., Rahbar, K., de Bono, J. S., Adra, N., Garje, R., Michalski, J. M., Kempel, M. M., Fizazi, K., Morris, M. J., Sartor, O., Brackman, M., DeSilvio, M., Wilke, C., Holder, G. & Tagawa, S. T., apr. 2024, I: *European Urology*. 85, 4, s. 382-391 10 s.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

### **Selection for proton radiotherapy of grade 1-3 glioma patients**

Byskov, C. S., Muhic, A., Dahlrot, R. H., Haslund, C. A., Guldberg, T. L., Høyer, M., Nyström, P. W., Dysager, L., Hansen, S., Haldbo-Classen, L., Trip, A. K., Lassen-Ramshad, Y., Weber, B., Lukacova, S., Hansen, C. R. & Kallehauge, J. F., sep. 2024, I: *Clinical and translational radiation oncology*. 48, 6 s., 100836.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

### **Shared decision making with breast cancer patients - does it work? Results of the cluster-randomized, multicenter DBCG RT SDM trial**

Søndergaard, S. R., Bechmann, T., Maae, E., Nielsen, A. W. M., Nielsen, M. H., Møller, M., Timm, S., Lorenzen, E. L., Berry, L. L., Zachariae, R., Offersen, B. V. & Steffensen, K. D., apr. 2024, I: *Radiotherapy and Oncology*. 193, 9 s., 110115.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

### **SKULL REMODELING SURGERY IN COMBINATION WITH TUMOR TREATING FIELDS THERAPY FOR FIRST RECURRENT GLIOBLASTOMA. FINAL RESULTS FROM OPTIMALTTF-2, A MULTI-CENTER, RANDOMIZED, CLINICAL TRIAL**

Mikic, N., Skjøth-Rasmussen, J., Poulsen, F. R., Laursen, R. J., Lukacova, S., Møller, S., Haslund, C. A., Dahlrot, R. H., Solheim, O., Solheim, T. S., Sørensen, J. H., Wong, E. T. & Korshøj, A. R., 17 okt. 2024, I: *Neuro-Oncology*. 26, Suppl. 5, s. V142 1 s., P27.23.

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

### **Study protocol: fish oil supplement in prevention of oxaliplatin-induced peripheral neuropathy in adjuvant colorectal cancer patients – a randomized controlled trial. (OxaNeuro)**

Gehr, N. L., Karlsson, P., Timm, S., Christensen, S., Hvid, C. A., Peric, J., Hansen, T. F., Lauritzen, L., Finnerup, N. B. & Ventzel, L., 3 feb. 2024, I: *BMC Cancer*. 24, 1, 10 s., 168 .

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

### **Surface-guided setup and intrafraction motion in free-breathing breast cancer radiation therapy**

Kirkegaard, T. O., Jensen, I., Kristensen, T. O., Milo, M. L. H. & Nielsen, M. S., maj 2024, I: *Radiotherapy and Oncology*. 194, Suppl. 1, s. S3994-S3996

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

### **Survey of Danish Head and Neck Cancer Patients' Positions on Personalized Medicine, Gene Tests, and Personalized Follow-Up**

Danstrup, C. S., Andersen, M., Lundbye-Christensen, S., Sommer, M. & Lyhne, N. M., 11 apr. 2024, I: *Journal of Personalized Medicine*. 14, 4, 12 s., 404.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

### **Synthesizing Accurate Relational Data under Differential Privacy**

Kapenekakis, A., Dell'Aglia, D., Vesteghem, C. P. E., Poulsen, L. Ø., Bøgsted, M., Garofalakis, M. & Hose, K., 2024, *2024 IEEE International Conference on Big Data (IEEE BigData 2024)*. IEEE (Institute of Electrical and Electronics Engineers), s. 433-439 (IEEE International Conference on Big Data (BigData)).

Publikation: Bidrag til bog/antologi/rapport/konference proceeding › Konferenceartikel i proceeding › Forskning › peer review

### **Terahertz spectroscopy for dosimetry using polymers: A novel application**

Brincker, M. & Skovsen, E., sep. 2024, I: *Physica Medica*. 125, Suppl. 1, 103911.

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

### **The clinical outcomes of FOLFIRINOX in older patients with advanced pancreatic cancer in Denmark**

Borhani-Khomani, G., S. Johansen, J., Madsen, K., Lindgaard, S. C., Z. Johansen, A., Parner, V. K., Rasmussen, L. S., Ladekarl, M., Yilmaz, M. K., Shim, S., Jensen, L. H., Pfeiffer, P., Bjerregaard, J. K., Andersen, F. & M. Chen, I., apr. 2024.

Publikation: Konferencebidrag uden forlag/tidsskrift › Konferenceabstrakt til konference › Forskning › peer review

### **The Danish investigation on iodine intake and thyroid disease (DanThyr): history and implications**

Møllehave, L. T., Knudsen, N., Linneberg, A., Bülow Pedersen, I., Ravn-Haren, G., Madsen, A. L., Carlé, A., Cerqueira, C., Krejbjerg, A., Rasmussen, L. B., Ovesen, L., Perrild, H., Sigurd, L. B., Thuesen, B. H., Vejbjerg, P. & Jørgensen, T., jun. 2024, I: *European Thyroid Journal*. 13, 3, 14 s., e230230.

Publikation: Bidrag til tidsskrift › Review (oversigtsartikel) › peer review

### **The effect of BRAF<sup>V600E</sup> mutation on survival and treatment efficacy in vulnerable older patients with metastatic colorectal cancer – A post-hoc exploratory analysis of the randomized NORDIC9-study**

Liposits, G., Winther, S. B., Ryg, J., Skuladottir, H., Möller, S., Hofslø, E., Shah, C. H., Poulsen, L. Ø., Berglund, Å., Qvortrup, C., Osterlund, P., Glimelius, B., Sorbye, H. & Pfeiffer, P., mar. 2024, I: *Journal of geriatric oncology*. 15, 2, 4 s., 101632.

Publikation: Bidrag til tidsskrift › Letter › peer review

**The effect of primary radiotherapy in oropharynx cancer: A phase IV population-based DAHANCA study**

Lassen, P., Alsner, J., Kristensen, C. A., Maare, C., Primdahl, H., Johansen, J., Andersen, M., Farhadi, M., Eriksen, J. G. & Overgaard, J., maj 2024, I: Radiotherapy and Oncology. 194, Suppl. 1, s. S1402-S1405

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

**The frequency of surface-guided repositioning for head and neck cancer patients**

Holst, S. D. I., Andersen, M., Jakobsen, A. R. & Nielsen, M. S., maj 2024, I: Radiotherapy and Oncology. 194, Suppl. 1, s. S4187-S4189

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

**The HUNT lung-SNP model: genetic variants plus clinical variables improve lung cancer risk assessment over clinical models**

Nguyen, O. T. D., Fotopoulos, I., Nøst, T. H., Markaki, M., Lagani, V., Tsamardinos, I. & Røe, O. D., 12 aug. 2024, I: Journal of cancer research and clinical oncology. 150, 8, 12 s., 389.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Through Clinicians Eyes: Use of an In-consultation Patient Decision Aid in Radiation Treatment for Early Breast Cancer. A Qualitative Study**

Søndergaard, S. R., Stie, M., Bechmann, T., Offersen, B. V., Nielsen, M. H., Møller, M., Berry, L. L., Zachariae, R., Steffensen, K. D. & Lund, L., jun. 2024, I: Clinical Breast Cancer. 24, 4, s. e297-e309 13 s.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Time From Colorectal Cancer Surgery to Adjuvant Chemotherapy: Post Hoc Analysis of the SCOT Randomized Clinical Trial**

Gögenur, M., Rosen, A. W., Iveson, T., Kerr, R. S., Saunders, M. P., Cassidy, J., Tabernero, J., Haydon, A., Glimelius, B., Harkin, A., Allan, K., Pearson, S., Boyd, K. A., Briggs, A. H., Waterston, A., Medley, L., Ellis, R., Dhadha, A. S., Harrison, M., Falk, S., Rees, C., Olesen, R. K., Propper, D., Bridgewater, J., Azzabi, A., Cunningham, D., Hickish, T., Gollins, S., Wasan, H. S., Kelly, C., Gögenur, I. & Holländer, N. H., aug. 2024, I: JAMA Surgery. 159, 8, s. 865-871 7 s.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**TO INFORM OR NOT TO INFORM about venous thromboembolisms - A qualitative study on communication between healthcare professionals and patients with lung cancer**

Berggreen, C., Schrøder, J. H., Christensen, T., Szejniuk, W. M., Søgaard, M., Højen, A. A. & Jørgensen, L., nov. 2024, I: Thrombosis Research. 243, 7 s., 109132.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Treatment planning for patients with low rectal cancer in a multicenter prospective organ preservation study**

Arp, D. T., Appelt, A. L., Jensen, L. H., Havelund, B. M., Nissen, H. D., Risumlund, S. L., Sjölin, M. E. E., Nielsen, M. S. & Poulsen, L. Ø., feb. 2024, I: Physica Medica. 118, 9 s., 103206.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**TRIFLURIDINE/TIPIRACIL (FTD/TPI) with or without bevacizumab in previously treated patients with esophago-gastric adenocarcinoma, a randomised phase III trial**

Baeksgaard Jensen, L., Yilmaz, M., Nordmark, M., Möller, S., Elle, I. C., Ladekarl, M., Qvortrup, C. & Pfeiffer, P., apr. 2024, I: *EClinicalMedicine*. 70, 10 s., 102521.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Tumor-specific circulating cell-free DNA (ctDNA) and its clinical value in predicting response to palliative systemic treatment or survival in patients with pancreatic cancer: A systematic review and meta-analysis**

Steiniche, M. M., Callesen, L. B., Vlk, E. H., Andersen, R. F., Hansen, T. F., Ladekarl, M. & Spindler, K.-L., sep. 2024, I: *Annals of Oncology*. 35, Suppl. 2, s. S923-S924 2 s., 1508P.

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning

**Tumor volume and cancer stem cell expression as prognostic markers for high-dose loco-regional failure in head and neck squamous cell carcinoma - A DAHANCA 19 study**

Kristensen, M. H., Sørensen, M. K., Tramm, T., Alsner, J., Sørensen, B. S., Maare, C., Johansen, J., Primdahl, H., Bratland, Å., Kristensen, C. A., Andersen, M., Lilja-Fischer, J. K., Holm, A. I. S., Samsøe, E., Hansen, C. R., Zukauskaitė, R., Overgaard, J. & Eriksen, J. G., apr. 2024, I: *Radiotherapy and Oncology*. 193, 110149.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Two-level mixed effect model to predict image changes after proton therapy of brain tumours**

Vestergaard, A., Kallehauge, J., Muhic, A., Carlsen, J. F., Dahlot, R., Lukacova, S., Haslund, C., Worawongsakul, R. & Høyer, M., maj 2024, I: *Radiotherapy and Oncology*. 194, Suppl. 1, s. S901-S903

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

**Updated survival and vaccine response from the NIPU trial: A randomised, phase II study evaluating nivolumab and ipilimumab with or without UV1 vaccination in patients with pleural mesothelioma**

Haakensen, V. D., Öjlert, Å. K., Kefi, W., Thunold, S. M. H., Farooqi, S. J., Nowak, A. K., Chin, W. L., Grundberg, O., Szejniuk, W. M., Cedres Perez, S. M., Sørensen, J. B., Dalen, T. S., Lund-Iversen, M., Bjaanaes, M. M., Inderberg, E. M. & Helland, A., sep. 2024, I: *Annals of Oncology*. 35, Suppl. 2, s. S1116-S116 1 s.

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

**Upfront resection versus no resection of the primary tumor in patients with synchronous metastatic colorectal cancer: the randomized phase III CAIRO4 study conducted by the Dutch Colorectal Cancer Group and the Danish Colorectal Cancer Group**

van der Kruijssen, D. E. W., Elias, S. G., van de Ven, P. M., van Rooijen, K. L., Lam-Boer, J. ', Mol, L., Punt, C. J. A., Sommeijer, D. W., Tanis, P. J., Nielsen, J. D., Yilmaz, M. K., Van Riel, J. M. G. H., Wasowiz-Kemps, D. K., Loosveld, O. J. L., van der Schelling, G. P., de Groot, J. W. B., van Westreenen, H. L., Jakobsen, H. L., Fromm, A. L., Hamberg, P., Verseveld, M., Jaensch, C., Liposits, G. I., van Duijvendijk, P., Hadj, J. O., van der Hoeven, J. A. B., Trajkovic, M., de Wilt, J. H. W., Koopman, M. & CAIRO4 working group, sep. 2024, I: *Annals of Oncology*. 35, 9, s. 769-779 11 s.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**UV1 telomerase vaccine with ipilimumab and nivolumab as second line treatment for pleural mesothelioma - A phase II randomised trial**

Haakensen, V. D., Øjlert, Å. K., Thunold, S., Farooqi, S., Nowak, A. K., Chin, W. L., Grundberg, O., Szejniuk, W. M., Cedres, S., Sørensen, J. B., Dalen, T. S., Lund-Iversen, M., Bjaanæs, M. & Helland, Å., maj 2024, I: European Journal of Cancer. 202, 6 s., 113973.

Publikation: Bidrag til tidsskrift › Tidsskriftartikel › Forskning › peer review

**Validating the ESTRO target consensus: pattern of breast cancer failures in the DBCG Skagen trial 1**

Høgsgjerg, K. W., Thomsen, M. S., Maae, E., Berg, M., Nielsen, M. H., Lorenzen, E. L., Maraldo, M. V., Boye, K., Stenbygaard, L., Jensen, I., Al-Rawi, S.A.-J., Jacobsen, K. L., Matthiessen, L. W., Andersen, K. & Offersen, B. V., maj 2024, I: Radiotherapy and Oncology. 194, Suppl. 1, s. S621-S624

Publikation: Bidrag til tidsskrift › Konferenceabstrakt i tidsskrift › Forskning › peer review

**Palliativ behovsvurdering og indsats for patienter med kræft**

Udvalg for Tværfagligt Palliativt Samarbejde, Jimmi Søndergaard (Medlem af forfattergruppering), Ursula Gerda Inge Falkmer (Medlem af forfattergruppering), Nikolaj Aarøe Jensen (Medlem af forfattergruppering)

Publikation: Bog/antologi/afhandling/rapport › Rapport › Rådgivning › peer review

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Aalborg Universitetshospital  
Klinisk Institut  
Hobrovej 18-22  
9000 Aalborg  
<https://aalborguh.rn.dk/forskning/forskningsomraader/forskningscentre/klinisk-kraeftforskningscenter-aalborg-universitetshospital>

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