



RESEARCH, DEVELOPMENT AND EDUCATION

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Annual report 2022

Department of Oncology
Department of Clinical Medicine



AALBORG UNIVERSITY
DENMARK



AALBORG UNIVERSITY HOSPITAL

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Preface

We are pleased to present the annual report of the scientific research, development and education (RDE) 2022.

The Research Group Oncology updated the [Research Strategy Plan 2023-2027](#), Organising research, development and education is fundamental for the quality of all scientific work in the research group. During the year, **the RDE committee** has contributed with active discussions covering all types of scientific questions. Also the **Research Council** have made excellent work by auditing and prioritising new scientific protocols.

Postdoc stay abroad

In 2022, we organised a stay abroad for one of our postdocs for a duration of six months in the laboratory of our collaborators at Stanford University Medical School. This effort has been successful for both parties and close collaboration continues.

Publication rate, PhD degrees

The collective publication rate in 2022 is 72 with 43 full papers. One PhD-student finished a thesis and was awarded the PhD degree.

Education and examination

The education of medical students, today around 150 per year, consists of both clinical and theoretic teaching and involves mainly the academic lecturers and PhD students. Generally, the 4 to 6 students stay 3 weeks at our clinic. Theoretic teaching was made for each student group according to a basic education programme in clinical oncology, also including basic radiation physics, experimental protocols and nutrition in cancer patients. For their exam, the students examined cancer patients from our wards. The clinical education was carried out as usual, each student following their assigned cancer team during their 3 weeks stay at the Dept. of Oncology. The students have been asked to evaluate the education programme continuously.

In summary

2022 was a productive year for the Research Group Oncology. The number of scientists were stable, working close together, which strengthened our scientific milieu. The education program was handled together and resulted in improvement of our educational skills. In scientific research several projects were started with external funds.

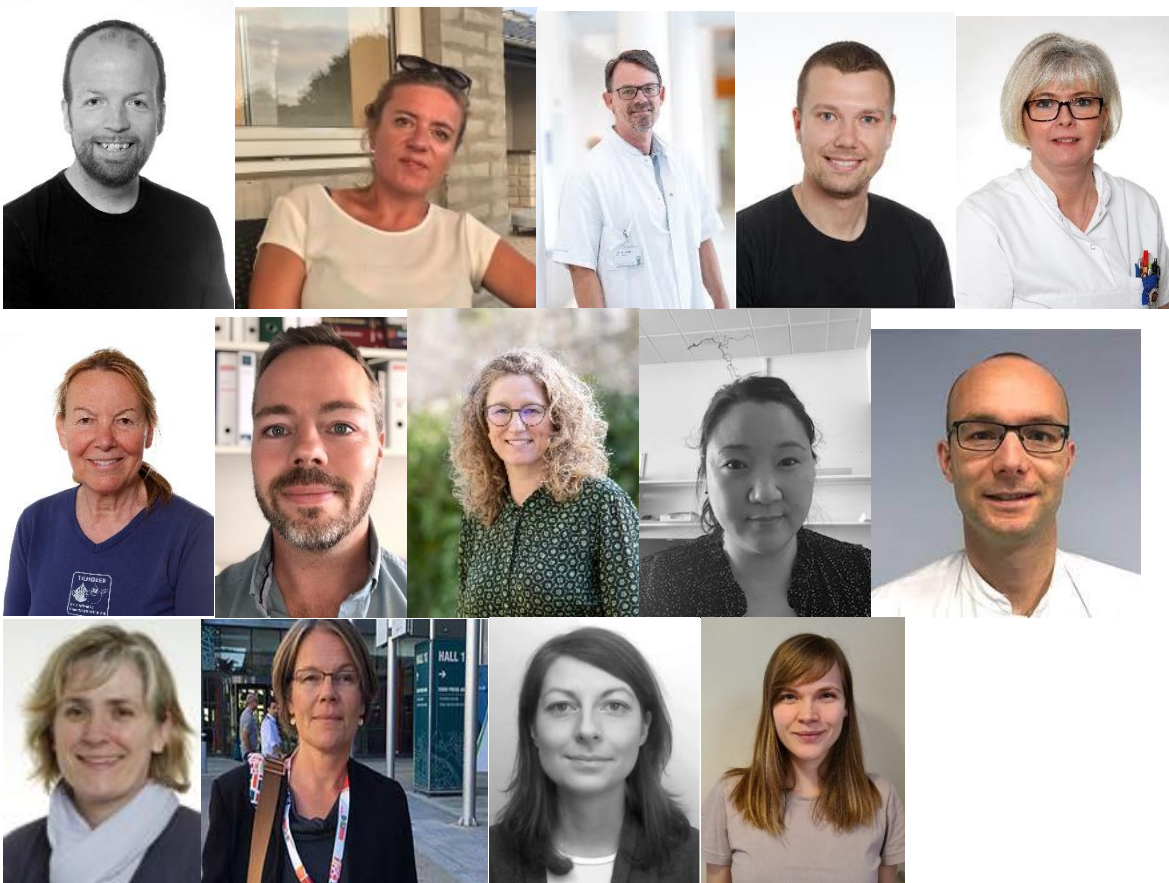
In 2023, we want to further enhance and utilise our collective scientific skills of our research group in ongoing and new projects. The goal is to advance the scientific quality of our results to the benefit of cancer patients and their families. One focus will be to stabilise the research group, promoting young scientists and involve our clinical colleagues, students and nurses in the scientific cancer research area.

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:

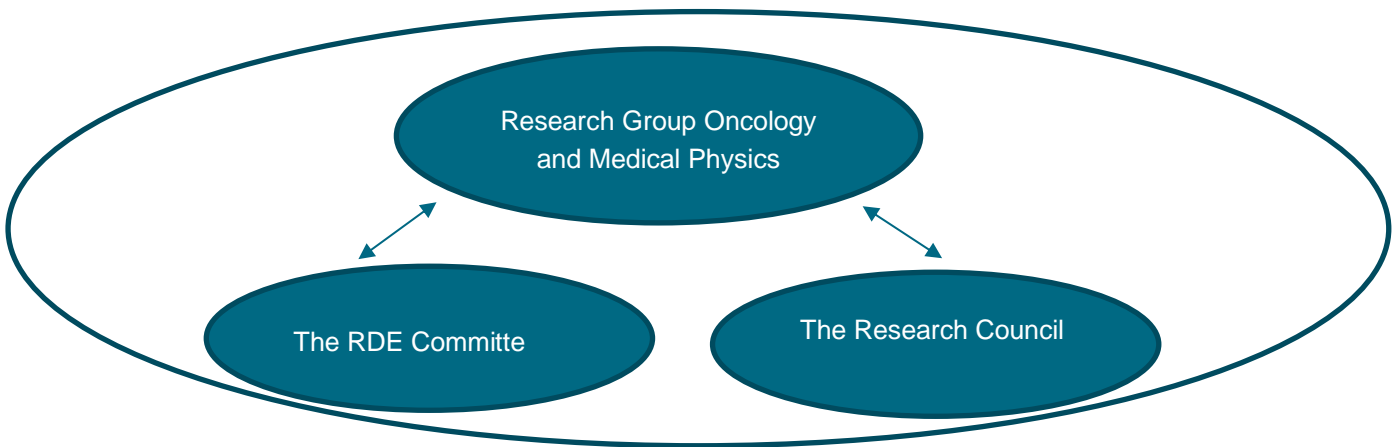
Ursula Falkmer, MD, PhD, professor, research leader
 Morten Ladekarl, MD, PhD, professor
 Charlotte Birkmose Rotbøl, MD, PhD, chief physician
 Andreas Carus, MD, PhD, clinical associate professor
 Martin Skovmos Nielsen, med. physics, PhD
 Tine McCulloch, MD, physician
 Laurids Østergaard Poulsen, Associate MD PhD
 Weronika Szejniuk, MD PhD
 Helle Enggaard, Postdoc, cand. cur., PhD
 Lone Rosborg Nielsen, research nurse
 Lone Grambo Jensen, nurse leader
 Dennis Tideman Arp, PhD student
 Susy Shim, PhD student
 Birgitta W. Nielsen, Research Secretary

RDE Committe 2022



Research and Development

Organisation



Strategy

The core mission of scientific research and development is specified in our current Research Plan 2023-2027. 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

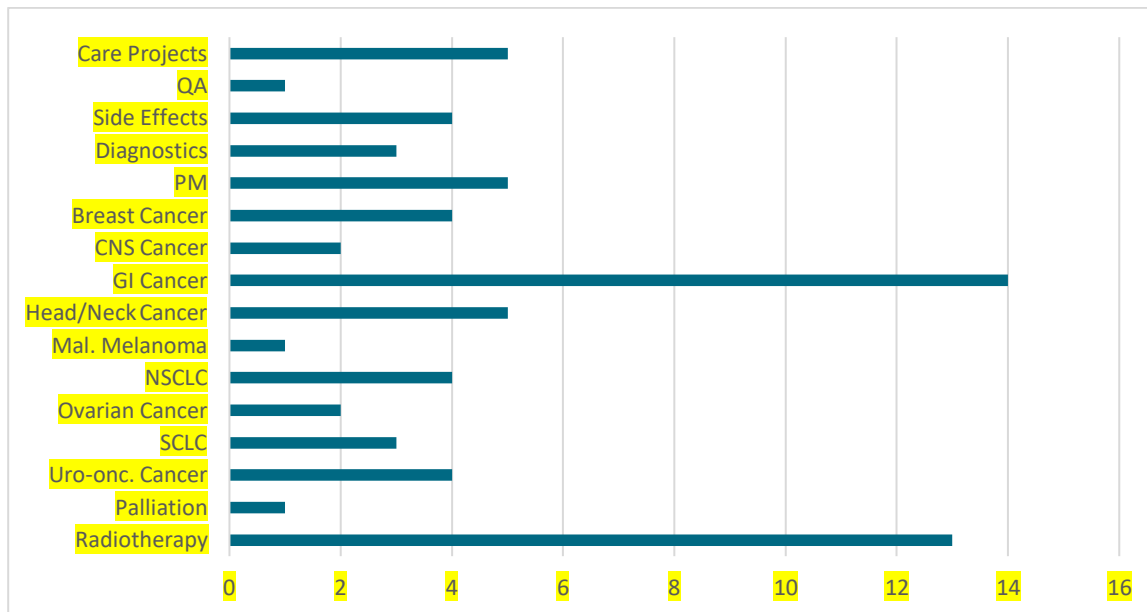
Generally, the scientific projects are focused on exploring new knowledge on

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

Research activities

Ongoing projects

[Link to ongoing projects](#)



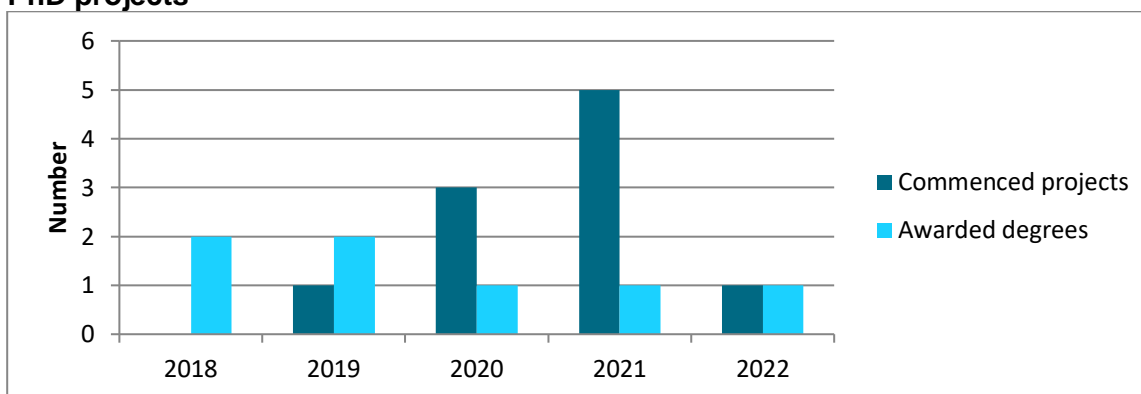
PhD students

	2018	2019	2020	2021	2022
*Mette Thune Mouritzen, MD Treatment with immune checkpoint inhibitors and biomarker expression in advanced NSCLC	ongoing	ongoing	ongoing	ongoing	ongoing
*Dennis Tideman Arp, M.Sc. Physicist 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
Charles Vesteghem, statistician Chemotherapy for cancer patients near end of life: Retrospective studies and predictive models for short term survival	start	ongoing	ongoing	ongoing	Finished
Anna Slipsager, MD Chemoradiation and molecular genetics in rectal cancer			Pre-PhD	Start	ongoing
Susy Shim, MD Prognostic and predictive factors in oncological treatment of patients with pancreas and stomach cancer			Pre-PhD	Start	ongoing

Mette Overgaard Holm, MSc, clinical dietitian Radiation-induced diarrhea in pelvic cancer during curative external radiotherapy. The role of nutritional interventions				Pre-PhD	Start	ongoing
Rasa Mikkalone Whole Body-MRI in Colon Cancer						Start
Sofie Lauridsen Referral, access and participation in rehabilitation for patients with head-, neck- and lung cancer				Start	ongoing	ongoing
Hubert Kzryslak SCLC: methabolic and proteomic investigations					Start	ongoing
Lars Børtz Nielsen Risk factors for high systemic anti-cancer therapy costs					Start	ongoing

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

PhD projects

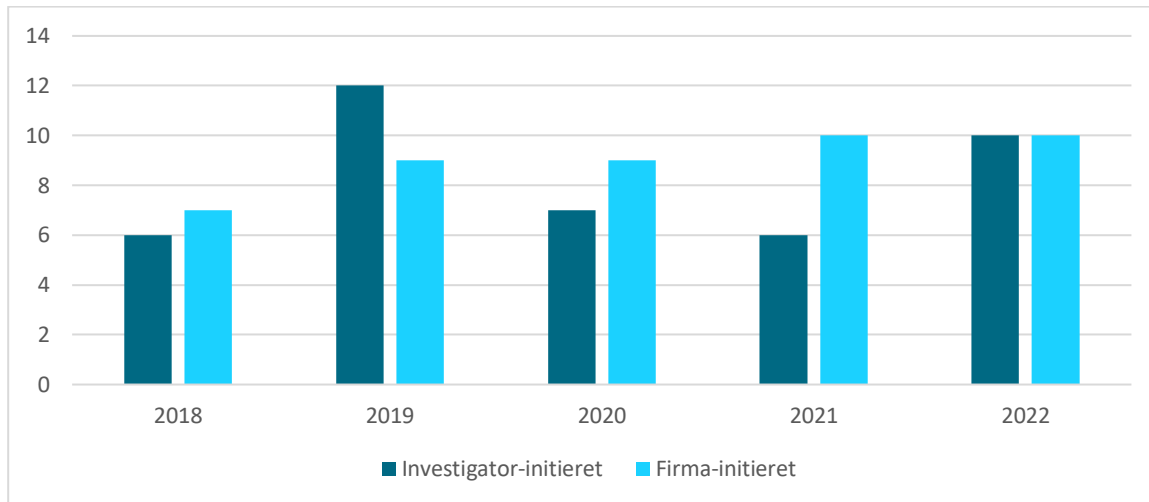


PhD theses awarded	2022	Principal and Co-supervisors
Charles Vesteghem	Chemotherapy for cancer patients near end of life: Retrospective studies and predictive models for short term survival	Ursula Falkmer , Martin Bøgsted, Karen Dybkær, Rasmus Froberg Brøndum

Clinical Research Unit

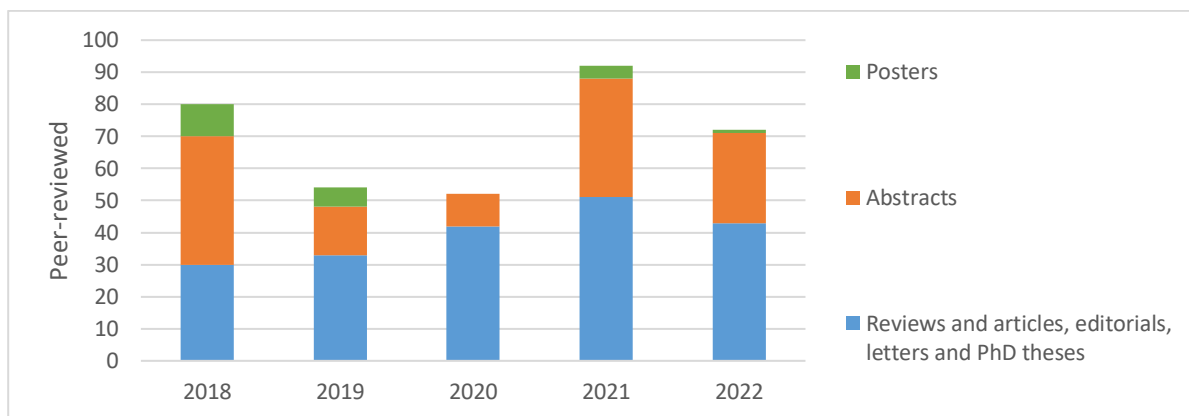
10 protocols have been initiated in 2022 by industrial sponsors and 10 protocols are academic initiated. For further information, see [Annual Report](#) from the Clinical Research Unit.

Number of initiated protocols



Peer reviewed publications

Publications, in total 72



Type	Publikationsart	2022
Bidrag til tidsskrift - Tidsskriftartikel	Forskning	30
	Formidling	2
Bidrag til tidsskrift - Konferenceartikel i tidsskrift	Forskning	6
Bidrag til tidsskrift - Kommentar/debat	Forskning	2
Bidrag til tidsskrift - Konferenceabstrakt i tidsskrift	Forskning	28
Bog/antologi/afhandling/rapport - Rapport	Rådgivning	1
Bog/antologi/afhandling/rapport - Ph.d.-afhandling	Forskning	1
Konferencebidrag uden forlag/tidsskrift - Poster	Forskning	1
Working paper/Preprint - Preprint	Forskning	1
I alt	-	72

Participation in seminars / congresses / conferences / meetings / courses / workshops / networks

Senior researchers	
Ursula Falkmer	
Congresses/conferences/meetings	
Dare project, emeeting	4/1, 23/3, 30/5
Coordination group PM, meeting, AalborgUH	10/1, 4/3, 21/4, 2/9
KKFC steering committee, meeting	7/2, 4/4, 16/6, 18/8, 14/12
Stanford RC project, meeting	16/3, 5/5, 10/11, 29/11
Radioresistance research group, meeting, Lund University	25/3, 7/4
Research leadership meeting, Aalborg University	30/3, 5/5, 12/9
Research development seminar, Aalborg University	15-16/9
Leadership seminar, Aalborg UH, Rebild	20-21/9
Innovation and research, prof-meeting, NTNU, Trondheim	23-24/11
Education revision, seminar, Clinical Institute, Aalborg University	12/12
Seminars/courses in own regime	
KKFC spring seminar, Clin.Institute, Aalborg University	29/4
KKFC seminar, Aalborg UH	2/5
Stanford RC lab. visit	23-24/5
KKFC seminar, Aalborg UH	23/8
KKFC annual meeting, Hobro	6-7/10
Appointment in organisations/boards	
DCCC/UTPS	2/2, 11/5, 30/8, 16/12
DCCC/NARNUCA meeting	13/1, 30/3, 5/4
KFE.dk	2/6
TNation	19/8
Swedish network for neuroendocrine tumours	24/10, 8/12
EU-UNCAN meeting, Paris	8-9/9
Morten Ladekarl	
Congresses/conferences/meetings	
eESMO TAT Congress	7-8/3
eNGC annual meeting	19/5
KKFC, steering group meeting, Aalborg University Hospital	16/6, 18/8
DCCC annual meeting, Kolding	25-26/8
ESMO, Paris	9-13/9
NGC annual meeting	14/9
Second Scandinavian Baltic Pancreas Symposium (OPAC), Middelfart	30/9-1/10
Post-ESMO, Aarhus	12/10
Dialogue meeting, Liver tumor group, Aarhus	21/11
Seminars/courses in own regime	
Research Seminar, Aalborg University and Aalborg University hospital	5/5
KKFC-DST server seminar, Aalborg	23/8
REPAIR-KUBE meeting, Skagen	7/9
KKFC annual meeting, Hobro	6-7/10
Appointment in organisations/boards	
Regional Steering Committee for Personalized Medicine, the North Denmark Region	10/1, 28/2, 21/4, 2/9
Steering Committee for Personalized Medicine, Aalborg University and Aalborg University Hospital	10/1, 28/2
Danish National Genome Centre, working group	10/1, 7/2, 16/2, 20/3
Nordic Pancreas Cancer network	25/4
DLGCC annual meeting, Middelfart	19-20/5

Expert panel for experimental treatment, Danish Health Authority	27/9
eDEGC steering group meeting	31/10
DPCG/DPCD steering group meeting	29/3, 2/11
DCCC Steering group committee	3/2, 15/9, 8/11
Danish Medicines Council	10/8, 3/11, 13/12
Oluf D. Røe	
Congresses/conferences/meetings	
UK Biobank meeting	28/2
eASCO annual meeting	27/4
Melanoma meeting	11/2, 20/5
ID-Lung meeting, Tromsø	2/6
IASCL meeting, Vienna	5-9/8
Seminars/courses in own regime	
KKFC annual meeting, Hobro	6/8
Appointment in organisations/boards	
Norwegian Oncology Association	21/2
Andreas Carus	
Congresses/conferences/meetings	
ASCO, San Francisco	17-19/2
PhD defence, assessment committee, Herlev Hospital	9/5
DCCC Danish cancer research days, Odense	25-26/8
ESMO, Paris	8/9-13/9
Seminars/courses in own regime	
KKFC spring seminar, Clin.Institute, Aalborg University	29/4
KKFC seminar, Aalborg UH	23/8
Pedagogical development seminar, Rebild	15-16/9
KKFC annual meeting, Hobro	6-7/10
Appointment in organisations/boards	
Danish Medicines Council, special committee, Chairman	3/5, 21/6, 27/9
NUCOG Nordic group on urothelial cancer, Steering group	22/6
DaBlaCa (DMCG), member	27-28/10
DaTeCa (DMCG), member	
DOncUro, Steering group	17/1
DSKO, board member	1/2, 17/3
Ebba og Aksel Schøllins Fond, board member	31/5
Helle Enggaard	
Congresses/conferences/meetings	
National Virtual Symposium - Supportive and palliative care in cancer, Danish Research Network for Nurses in field of Cancer (DFSK) and REHPA	23/3, 30/3, 6/4
Network meeting between The Clinical Nursing Unit, Aalborg University Hospital and Research Support Unit, Zealand University Hospital, Aalborg University Hospital	11-12/5
International Learning Collaborative's Annual International Conference. Theme: Fundamental care in times of crises, Oxford	13-14/6
eMeeting for supervisors at the special education for oncology nursing	12/8
Research Forum, Department of Nursing, University Collage Northern Denmark (UCN), Aalborg	13/10
Fundamentals of Care Regional Network Meeting (Europe, Middel East and Africa) (Online)	5/12
Seminars/courses in own regime	
Research and Development Day in Physiotherapy and occupational therapy, Aalborg University Hospital	30/11

Mixed Methods Journal Club, Aalborg University Hospital Cancer Research – We are ready to help Appointment in organisations/boards Meeting Institution Board – Fundamentals of Care KKFC Annual Meeting, Hobro KKFC, Board meeting	28/2, 20/9 2/5 16/8 6-7/10 14/12
Martin Skovmos Nielsen	
Congresses/conferences/meetings DAHANCA 35 MR in Radiotherapy and MR Linac, Utrecht DCCC, Dose accumulation DCCC, AI in Radiotherapy	1/2 14/3-1/4 13/6 6-7/12
Seminars/courses in own regime KKFC spring seminar, Clin.Institute, Aalborg University Radiation Therapy, UCN	29/4 April + November
Appointment in organisations/boards DAHANCA QA	10/2, 20/4, 20/9
Junior researchers	
Weronika Szejniuk	
Participation in seminars/congresses/conferences/meetings KKFC annual meeting, Hobro Post-WCLC, invited speaker, Aarhus NTOG biannual meeting, Bergen DCCC annual meeting, Odense eWCLC, Vienna ASCO, Chicago DOLR-RT meeting, Vejle eDOLG meeting, online DOLG-RT online meeting KKFC board group meeting – invited to participate Immunotherapy in mesothelioma, webinar, invited speaker	7/10 14/9 26-28/8 25-26/8 6-9/8 2-6/6 8/3 1/3 21/2 7/2 January
Seminars/courses in own regime OAR thorax, workshop, Aarhus Course in leadership, Aalborg FUPA workshop, Aalborg PBL course, online, Aalborg	3-4/11 13-14/10 4/10 12/9
Appointment in organisations/boards Danish Lung Cancer Research Group, board member, Fredericia NARNUCA online Mesothelioma North Jutland group DOLG-RT DOLG	6/10 5/4 16/3 8/3 1/3
Mette T. Mouritzen	
Participation in seminars/congresses/conferences/meetings RWE symposium, Copenhagen DCCC annual meeting, Odense Danish cancer research days: conference, DCCC, Odense 14 th NTOG symposium, Bergen DLCCG annual meeting, Aarhus	30/3 25-26/8 26-28/8 26-28/8 22/9
Seminars/courses in own regime Lung cancer meeting, Aalborg KKFC spring seminar, Clin.Institute, Aalborg University FYO	9/3 29/4 15/6
Appointment in organisations/boards DOLG	1/3, 26/4, 22/6

<p>Mette O. Holm</p> <p>Congresses/conferences/meetings Nutrition symposium, Aalborg UH National symposium late cancer side effects KKFC annual meeting, Hobro</p> <p>Seminars/courses in own regime Nutrition seminar, VIA University College Local Nutrition Committee, Aalborg UH National seminar dysphagia and cancer, Aarhus</p> <p>Appointment in organisations/boards DCCC/NARNUCA</p>	<p>10/3 6/5 6-7/10 28/2, 2/3, 3/3, 7/3, 14/3 9/3, 23/5, 15/9, 5/12 12/10 5/4, 23/11</p>
<p>Dennis Tideman Arp</p> <p>Congresses/conferences/meetings MR in Radiotherapy and MR Linac DCCC RT Annual Meeting</p> <p>Seminars/courses in own regime Radiation Therapy, UCN</p> <p>Appointment in organisations/boards DCCG</p>	<p>14/3-1/4 22-23/11 26/1+11/11 2/11</p>
<p>Susy Shim</p> <p>Participation in seminars/congresses/conferences/meetings FYO meeting Fyo seminar DCCC Danish cancer research days, Odense</p>	<p>15/6 2-3/8 25-26/8</p>
<p>Anna Slipsager</p> <p>Participation in seminars/congresses/conferences/meetings DCCC, Danish Cancer Research Days DCCG annual meeting, Aarhus</p> <p>Seminars/courses in own regime KKFC annual meeting, Hobro</p>	<p>25-26/8 6/10 6-7/10</p>

Education

At the Faculty of Medicine, the number of medical students has continuously increased and in 2022, the number was 140 annually. During their 4th year of education (internal medicine and surgery) most of the students are placed three weeks at the Dept. of Oncology.

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
8 th semester, spring	Case teaching	Approx. 69
8 th semester, spring	Introduction lectures	6
7 th semester, autumn	Case teaching	Approx. 58
7 th semester, autumn	Introduction lectures	6
12 th semester, spring	Examinations	3
PhD-students		Participants
Supervision	Pre-PhD projects	2
Research student supervision	Bachelor projects	2
	Masters projects	2

Radiotherapy unit	Students/hours
Introduction course for Radiographer students, two courses lasting two days (8 lessons per day) each in January and August	20-25 students
Bachelor supervision (one radiographer student)	approx. 50 hours/student
Master student (one Engineer student)	approx. 50 hours/student
Radiotherapy, UCN S-Radiographer (Two courses pr year, spring and autumn)	5 students pr courses approx. 75 hours/course
<ul style="list-style-type: none"> ○ Dialogue meetings, seminars, workshops, training inhouse on new techniques in radiotherapy. ○ Seminar for medical specialists, research within radiotherapy. ○ Teaching and Training of physicist in new treatment guideline (DMCGs) ○ Acuros XB Model configuration and validation for treatment planning 	<p>Once a month</p> <p>Three work weeks in total</p> <p>Three months</p> <p>One month</p>

Academic staff

Senior scientists

Positions	2018	2019	2020	2021	2022
Professor, one position (50%)	1.0	2.0	2.0	2.0	2.0
Associate professors (clinical lector) one position (20%)	2.0	3.0	3.0	3.0	3.0
Post Doc, cand.cur., one position (100%)	1.0	1.0	1.0	1.0	1.0
Lector, one position (20%)	1.0	1.0	2.0	2.0	2.0
Secretary, one position (50%)	0.5	1.0	1.0	1.0	1.0

Junior scientists

Positions	2018	2019	2020	2021	2022
Clinical assistant, one position (100%)	1.0	2.0	2.0	2.0	2.0

Clinical Research Unit

Positions	2018	2019	2020	2021	2022
Senior physician, one position (50%)	0.5	0.5	0.5	0.5	0.5
Senior physicians, (12 fulltime positions, approx. 20% involved in scientific research)	2.2	2.2	2.2	2.2	2.2
Study nurses and 1 secretary 9 positions, approx. 10% involved in scientific re- search	0.9	1.0	1.0	1.0	1.0

Financial report

External financing

	Amount in 1,000 DKK (approx.)
Local grants (balance as of 31 December 2022):	
- Obel fund	360
- Trial Nation	2
- Neye Fund	220
- Jens Aage Sørensen and wife memorial fund	296
- Jørgen Holm and wife Elisa F. Hansen's memorial fund	100
- Aage and Johanne Louis-Hansen's fund	250
- Grants from DCCC	491
- The Regional Medicine fund	35
- Danish Cancer Society	441
- H.E. and N.C. Brogaard Fund	1.800
- Ebba and Aksel Schølin's fund	40
- KKFC	44
- Aarhus University Hospital	550
- Patients' Award 2022	25
Donation fund	68
Ph.d. Projects	379
Depart. research fund	544
Clinical Research Fund	247
Total	5,892

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

Scientific publications

A Cohort Study on Cancer Incidence among Women Exposed to Environmental Asbestos in Childhood with a Focus on Female Cancers, including Breast Cancer. / Dalsgaard, Sofie Bünemann; Würtz, Else Toft; Hansen, Johnni et al.

I: International Journal of Environmental Research and Public Health, Bind 19, Nr. 4, 2086, 01.02.2022.

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

Acute toxicities in proton therapy of head-neck cancer - a matched analysis of DAHANCA 35 pilot data. / Nowicka-Matus, K.; Friborg, J.; Hansen, C.R. et al.

I: Radiotherapy and Oncology, Bind 170, Nr. Suppl. 1, 05.2022, s. S63-S65.

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

Acute toxicity after loco regional breast radiation therapy in the randomized DBCG SKAGEN trial 1. / Milo, M. L.; Lörincz, T.; Nielsen, M. H. et al.

I: Radiotherapy and Oncology, Bind 170, Nr. Suppl. 1, 05.2022, s. S747-S748.

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

A new self-understanding as chemo sufferer - a phenomenological study of everyday life with chemotherapy induced neuropathy among survivors after colorectal cancer. / Jensen, Marlene AE.; Mørch, Carsten D.; Yilmaz, Mette N. et al.

I: International Journal of Qualitative Studies on Health and Well-Being, Bind 17, Nr. 1, 2049437, 12.2022.

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

An international, multicenter planning study on regional nodal irradiation in breast cancer. / Duma, Marci-ana Nona ; Offersen, Birgitte Vrou; Johansen, Marianne Bessermann et al.
2022. Poster præsenteret ved ESTRO 2022, Copenhagen, Danmark.

Publikation: Konferencebidrag uden forlag/tidsskrift › Poster › Forskning › peer review

An international, multicenter planning study on regional nodal irradiation in breast cancer. / Duma, M. N.; Offersen, B. Vrou; Johansen, M. Bessermann et al.

I: Radiotherapy and Oncology, Bind 170, Nr. Suppl. 1, 05.2022, s. S1350-S1351.

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

A phase I/II study of acute and late physician assessed and patient-reported morbidity following whole pelvic radiation in high-risk prostate cancer patients. / Petersen, Stine E.; Thorsen, Lise B.; Hansen, Steinbjørn et al.

I: Acta Oncologica, Bind 61, Nr. 2, 2022, s. 179-184.

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

A phase II study of daily encorafenib in combination with biweekly cetuximab in patients with BRAF V600E mutated metastatic colorectal cancer : the NEW BEACON study. / Eriksen, Martina; Pfeiffer, Per; Rohrberg, Kristoffer Staal et al.

I: BMC Cancer, Bind 22, Nr. 1, 1321, 16.12.2022.

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

Association of Smoking, Comorbidity, Clinical Stage, and Treatment Intent With Socioeconomic Differences in Survival After Oropharyngeal Squamous Cell Carcinoma in Denmark. / Olsen, Maja Halgren; Fred-eriksen, Kirsten; Lassen, Pernille et al.

I: JAMA Network Open, Bind 5, Nr. 12, e2245510, 07.12.2022, s. e2245510.

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

BAP1 Loss by Immunohistochemistry Predicts Improved Survival to First-Line Platinum and Pemetrexed Chemotherapy for Patients With Pleural Mesothelioma : A validation study. / Louw, Amber; Panou, Vasiliki; Szejniuk, Weronika Maria et al.

I: Journal of Thoracic Oncology, Bind 17, Nr. 7, 07.2022, s. 921-930.

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

Breast induration versus irradiated breast volume in the randomized phase III DBCG PBI trial. / Thomsen, M. S.; Alsner, J.; Berg, M. et al.

I: Radiotherapy and Oncology, Bind 170, Nr. Suppl. 1, 05.2022, s. S821-S822.

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

Cancer incidence and risk of multiple cancers after environmental asbestos exposure in childhood—a long-term register-based cohort study. / Dalsgaard, Sofie Bünemann; Würtz, Else Toft; Hansen, Johnni et al.

I: International Journal of Environmental Research and Public Health, Bind 19, Nr. 1, 268, 01.01.2022.

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

CCI and TNM stage do not influence early mortality risk after definitive radiotherapy in NSCLC. / Jensen, K. H.; Friberg, J.; Vogelius, I. R. et al.

I: Radiotherapy and Oncology, Bind 170, Nr. Suppl. 1, 05.2022, s. S326-S327.

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

Cetuximab as last-line treatment for rmHNSCC outside clinical trials. A retrospective DAHANCA study. / Eriksen, J. G.; Nielsen, Sofie Lunden; Andersen, K. Bjerg et al.

I: Radiotherapy & Oncology, Bind 168, Nr. Suppl. 1, PO-0178, 03.2022, s. S112-113.

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

Circulating microvesicles and exosomes in small cell lung cancer by quantitative proteomics. / Pedersen, Shona; Jensen, Katrine Papendick; Honoré, Bent et al.

I: Clinical proteomics, Bind 19, Nr. 1, 2, 07.01.2022.

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

Clinical features affecting efficacy of immune checkpoint inhibitors in pretreated patients with advanced NSCLC: a Danish nationwide real-world study. / Mouritzen, Mette T.; Junker, Karen F.; Carus, Andreas et al.

I: Acta Oncologica, Bind 61, Nr. 4, 2022, s. 409-416.

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

Collecting Complete Radiotherapy Plan Data of 11,000+Patients in a National Database. / Krogh, S.; Lorenzen, E.; Hansen, C. R. et al.

I: Radiotherapy and Oncology, Bind 170, Nr. Suppl. 1, 05.2022, s. S663-S664.

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

Common MicroRNAs in Pre-diagnostic Serum Associated with Lung Cancer in Two Cohorts up to Eight Years Before Diagnosis: A HUNT Study. / Røe, O. D.; Fotopoulos, I.; Nguyen, O. T. D. et al.

I: Journal of Thoracic Oncology, Bind 17, Nr. Suppl. 9, EP01.01-009, 09.2022, s. S164.

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

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