

Betina Børresen
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Short presentation

DVM, PhD, ECVIM-CA(onc) diplomate

Betina Børresen is an assistant professor of veterinary and comparative oncology at the Department of Veterinary Clinical Sciences, University of Copenhagen.

Background

Betina received her veterinary degree from University of Copenhagen in 2012. In 2017, she received her PhD in veterinary oncology focusing on molecular imaging and nanomedicine. She became a diplomate of the European College of Veterinary Internal Medicine within the subspecialty of oncology in 2021. Betina's main research interests are centered around using "canine cancer patients as a model for the equivalent human disease" with a special focus on radiotherapy, immunotherapy and molecular imaging.

Betina is responsible for the Danish Veterinary Cancer Registry (<https://vetcancer.ku.dk>)

Qualifications

European specialist of small animal oncology

Veterinary medicine, Veterinarian (DVM)

PhD

Employment

Associate Professor - Promotion Programme

Section for Internal Medicine, Oncology and Clinical Pathology

Frederiksberg C

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Research outputs

Avancerede diagnostiske muligheder inden for veterinær onkologi hos familiedyr

Børresen, Betina, Holst, Pernille & Arendt, Maja Louise, 2023, In: Dansk Veterinærtidsskrift. 106, 2, p. 28-32 5 p.

Behandling af familiedyr med cytostatika og andre antineoplastiske lægemidler

Arendt, Maja Louise, Holst, Pernille, Kristensen, Annemarie T. & Børresen, Betina, 2023, In: Dansk Veterinærtidsskrift. 2023, 1, p. 24-28 5 p.

Evaluation of intensity-modulated electron FLASH radiotherapy in a clinical setting using veterinary cases

Konradsson, E., Szecsenyi, R. E., Adrian, G., Coskun, M., Børresen, Betina, Arendt, Maja Louise, Erhart, K., Bäck, S. Å. J., Petersson, K. & Ceberg, C., 2023, In: Medical Physics. 50, 10, 6569-6579.

Evaluation of single-fraction high dose FLASH radiotherapy in a cohort of canine oral cancer patients

Børresen, Betina, Arendt, Maja Louise, Konradsson, E., Bastholm Jensen, K., Bäck, S. & J., Munck af Rosenschöld, P., Ceberg, C. & Petersson, K., 2023, In: Frontiers in Oncology. 13, 10 p., 1256760.

Komplicerede mastcelletumorer hos hunde

Arendt, Maja Louise, Børresen, Betina & Holst, Pernille, 2023, In: Dansk Veterinærtidsskrift. 106, 3, p. 28-32 5 p.

Surface guided electron FLASH radiotherapy for canine cancer patients

Mannerberg, A., Konradsson, E., Kügele, M., Edvardsson, A., Kadhim, M., Ceberg, C., Peterson, K., Thomasson, H., Arendt, Maja Louise, Børresen, Betina, Jensen, K. B. & Ceberg, S., 2023, In: Medical Physics. 50, 7, p. 4047-4054

Accurate FLASH delivery requires motion monitoring - SGRT is a feasible option for canine patients

Mannerberg, A., Konradsson, E., Edvardsson, A., Kugele, M., Kadhim, M., Ceberg, C., Petersson, K., Thomasson, H., Arendt, Maja Louise, Børresen, Betina & Jensen, K. B., 2022, In: Radiotherapy and Oncology. 170, S1, p. S1510-S1511

Establishment and Initial Experience of Clinical FLASH Radiotherapy in Canine Cancer Patients

Konradsson, E., Arendt, Maja Louise, Bastholm Jensen, K., Børresen, Betina, Hansen, A. E., Bäck, S., Kristensen, Annemarie T., Munck af Rosenschöld, P., Ceberg, C. & Petersson, K., 2021, In: Frontiers in Oncology. 11, 10 p., 658004.

Intracavitary Electron FLASH Radiotherapy in a Canine Cancer Patient With Oral Malignant Melanoma

Konradsson, E., Arendt, Maja Louise, Jensen, K. B., Thomasson, H., Børresen, Betina, Petersson, K. & Ceberg, C., 2021, In: International Journal of Radiation Oncology, Biology, Physics. 111, 3, p. S31

Noninvasive molecular imaging of the enhanced permeability and retention effect by ⁶⁴Cu-liposomes: In vivo correlations with ⁶⁸Ga-RGD, fluid pressure, diffusivity and ¹⁸F-FDG

Børresen, Betina, Hansen, A. E., Fliedner, F. P., Henriksen, J. R., Elema, D. R., Brandt-Larsen, M., Kristensen, L. K., Kristensen, Annemarie T., Andresen, T. L. & Kjær, Andreas, 2020, In: International Journal of Nanomedicine. 15, p. 8571-8581 11 p.

Theranostic Imaging May Vaccinate against the Therapeutic Benefit of Long Circulating PEGylated Liposomes and Change Cargo Pharmacokinetics

Børresen, Betina, Henriksen, J. R., Clergeaud, G., Jørgensen, J. S., Melander, F., Elema, D. R., Szebeni, J., Engelholm, S. A., Kristensen, Annemarie T., Kjær, Andreas, Andresen, T. L. & Hansen, A. E., Nov 2018, In: ACS Nano. 12, 11, p. 11386-11398

Liposome-encapsulated chemotherapy: Current evidence for its use in companion animals

Børresen, Betina, Hansen, A. E., Kjær, A., Kristensen, Annemarie T. & Kristensen, Annemarie T., Mar 2018, In: Veterinary and Comparative Oncology. p. E1-E15

Liposome accumulation in irradiated tumors display important tumor and dose dependent differences

Hansen, A. E., Fliedner, F. P., Henriksen, J. R., Jørgensen, Jesper Tranekjær, Clemmensen, Andreas Høeg, Børresen, Betina, Elema, D. R., Kjær, Andreas & Andresen, T. L., 2018, In: Nanomedicine: Nanotechnology, Biology and Medicine. 14, 1, p. 27-34

The occurrence of feline neoplasia; a comparison between Danish and North American cats

Børresen, Betina, Heden, M. A., Kent, M. S. & Kristensen, Annemarie T., 2018, In: Journal of Veterinary Internal Medicine. 32, 1, p. 568

Circulating let-7g is down-regulated in Bernese Mountain dogs with disseminated histiocytic sarcoma and carcinomas: a prospective study

Børresen, Betina, Nielsen, Lise Nikolic, Jessen, Lisbeth Rem, Kristensen, Annemarie T., Fredholm, Merete & Cirera, Susanna, Jun 2017, In: Veterinary and Comparative Oncology. 15, 2, p. 525-533 10 p.

Positron emission tomography based elucidation of the enhanced permeability and retention effect in dogs with cancer using copper-64 liposomes

Hansen, A. E., Petersen, A. L., Henriksen, J. R., Børresen, Betina, Rasmussen, P., Elema, D. R., Rosenschöld, P. M. A., Kristensen, Annemarie T., Kjær, Andreas & Andresen, T. L., 28 Jul 2015, In: A C S Nano. 9, 7, p. 6985-6995 11 p.

Injectable colloidal gold for use in intrafractional 2D image-guided radiation therapy

Jølcck, R. I., Rydhög, J. S., Christensen, A. N., Hansen, A. E., Bruun, L. M., Schaarup-Jensen, H., von Wenck, A., Børresen, Betina, Kristensen, Annemarie T., Clausen, M. H., Kjær, Andreas, Conradsen, K., Larsen, R., Munck af Rosenschöld, P. M. & Andresen, T. L., 21 Jan 2015, In: Advanced Healthcare Materials. 4, 6, p. 856-863 8 p.

Simultaneous hyperpolarized ¹³C-pyruvate MRI and ¹⁸F-FDG-PET in cancer (hyperPET): feasibility of a new imaging concept using a clinical PET/MRI scanner

Borgwardt, H. G., Hansen, Adam Espe, Henriksen, S. T., Johannesen, Helle Hjorth, Ardenkjær-Larsen, J. H., Vignaud, A., Hansen, A. E., Børresen, Betina, Klausen, Thomas Levin, Wittekind, A. N., Gillings, N., Kristensen, Annemarie T.,

Clemmensen, Andreas Høeg, Højgaard, Liselotte & Kjær, Andreas, Jan 2015, In: American Journal of Nuclear Medicine and Molecular Imaging. 5, 1, p. 38-45 8 p.

Circulating miRNAs as biomarkers for disseminated histiocytic sarcoma in Bernese Mountain dogs - a prospective study
Børresen, Betina, Nielsen, Lise Nikolic, Jessen, Lisbeth Rem, Kristensen, Annemarie T., Fredholm, Merete & Cirera, Susanna, 2015.

Hunde med spontan cancer indgår i translationel forskning

Børresen, Betina, Clausen, Malene Martini, Hansen, A. E., Zornhagen, Kamilla Westarp, Kristensen, Annemarie T., Engelholm, S. A. & Kjær, Andreas, 2014, In: Ugeskrift for Læger. 176, 14, p. 1304-1307 4 p., V01130041.

Neuter status and risk of cancer in a Danish dog population

Estrup Larsen, M. M., Børresen, Betina & Kristensen, Annemarie T., 2014. 1 p.

Data from the Danish Veterinary Cancer Registry on the occurrence of feline cancer

Børresen, Betina & Kristensen, Annemarie T., 2013, (In preparation).