



CURRICULUM VITAE

PERSONAL DATA

Name	Julia Buchholz
Degree	Dr. med. vet. Diplomate ACVR (Radiation Oncology) Diplomate ECVDi (add radonc)
Date of birth	10/30/1975
Place of birth	Heidelberg (Germany)
Citizenship	German

LANGUAGES

- **German:** mother tongue
- **English, French, Italian:** fluent (spoken and written)

WORK EXPERIENCE

01/2019 up to now	Radiation Consultant at the Centro Oncologico Veterinario, Sasso Marconi, Bologna, Italy
08/2019 up to now	Oncology Consultant IDEXX UK
07/2019 up to now	Radiation Oncologist at Small Animal Clinic Hofheim, Germany
03/2018 -11/2018	Radiation Oncology Consultant at the Ludwig-Maximilians University Munich, Germany Teleoncology Consultant Sonopath, USA Oncology Consultant DiploVets, Europe

11/2008-02/2018	Head of Radiation Oncology, Animal Oncology and Imaging Center (AOI Center) , Hünenberg, Zug, Switzerland
05/2009-08/2009	Radiation Oncologist at the Centro Oncologico Veterinario (COV) to setup the first Italian Centre for Radiation Oncology, Bologna, Italy
02/2008-10/2008	Visiting Assistant Professor Oncology Louisiana State University , Baton Rouge, LA, USA
08/2002-02/2003	Assistant doctor for small animals, Veterinary Clinic Schroth , Biebesheim, Germany

EDUCATION

27.02.2017	Diplomate of the European College of Veterinary Diagnostic Imaging (ECVDI) add Radiation Oncology
08.09.2007	Diplomate of the American College of Veterinary Radiology (ACVR) - Radiation Oncology
08/2006-10/2007	Residency Radiation Oncology, Department of Environmental Radiological Health Sciences, Section Radiation Oncology, Colorado State University , Fort Collins, CO, USA
07/2005-07/2006	Residency Radiation Oncology, Department of Diagnostic Imaging and Radiation Oncology, Vetsuisse Faculty, University of Zurich , Switzerland (approved by the American College of Veterinary Radiology)
08/15/2005	Granting of the doctorate (Dr. med. vet.) & Winner of the Annual award for the Dissertation of the University of Zurich, 2005
03/2003-02/2005	Doctoral Thesis: Photodynamic Therapy / Pharmacokinetics

Department of Diagnostic Imaging and Radiation Oncology,
Vetsuisse Faculty and Research Division of the Department of
Gynecology of the University Hospital Zurich, **University of
Zurich** (published 2005, Clinical Cancer Research)
Clinician at the Department for Radiation Oncology &
Emergency Duty at the Small Animal Hospital of the Vetsuisse
Faculty of the University of Zurich, Switzerland

08/12/2002

License to practice Veterinary Medicine

University 10/1996-07/2002

Veterinary Medicine
Justus-Liebig University of Gießen, Germany &
Ecole Nationale Vétérinaire de Nantes, France

A levels 1995

Werner-Heisenberg Gymnasium, Weinheim, Germany

AWARDS

- Winner of the best posters award. 36th Annual Meeting Union of the Swiss Societies for Experimental Biology. Fribourg, Switzerland. February, 2004
- Annual award for the Dissertation of the University of Zurich, 2005

GRANTS & PROJECTS

- KTI- Research project in collaboration with EMPA, Sankt Gallen: Development of a novel device for diffuse light application in Photodynamic Therapy, 2003-2005
- Grant Braun foundation: Combination of photodynamic Therapy & Hyperthermia with water-filtered Infrared light, 2006-2007
- Mentoring thesis Laura Covi (human radiology technician): How are pets treated with radiation therapy?
- Mentoring publication: „Techniques, applications et effets secondaires de la radiothérapie“. La Semaine Vétérinaire N° 1494 4 May 2012
- Responsible for the Veterinary Field of the Editorial Staff of the Oncocampus Switzerland (<http://oncocampus.ch/>)
- Translations for mechenel marketing (medical abstracts (English into French and Italian)

BOOK CHAPTERS

- Kessler , Kleintieronkologie: “Strahlentherapie”; “Photodynamische Therapie”
- Marconato, Oncologia medica veterinaria e comparata
 - Parte Generale: “Radioterapia”; “Terapia fotodinamica”
 - RT e PDT per tumori particolari
- Water-Filtered Infrared-A Radiation (wIRA): From Basic Principles to Clinical Applications (in press)
- Photodynamic Therapy in Veterinary Oncology, Springer (published in March 2017)

REVIEWER FUNCTION

- Human medicine & Biology (Photodynamic Therapy): Expert Review of Dermatology, Zoo Biology , Cancers

- Veterinary medicine (Photodynamic Therapy & Radiation Therapy): Veterinary Dermatology, Journal of Veterinary Internal Medicine (JVIM), Journal of Veterinary Medical Science (JVMS), Journal of Veterinary Radiology and Ultrasound (JVRUS), Open Veterinary Journal, Canadian Veterinary Journal, Veterinary and Comparative Oncology (VCO), The Veterinary Journal
- Review of abstracts for the meeting of the European Society of Veterinary Oncology (ESVONC) for oral and/or poster presentations (radiation oncology and radiology)

MENTORING OF DOCTORAL THESIS

- Med. vet. Herzog Andrea: Kombinierte Anwendung von Strahlentherapie und DNS Tumor Vakzine zur Behandlung des oralen malignen Melanoms beim Hund: Eine Pilotstudie. Schweizer Archiv Tierheilkd. 155 (2): 135-42.

COMMITTEES

- Education committee of add-on radiation oncology (ECVDI / EVCIM) Europe
- Consensus du Groupe d'Etude en Oncologie (GEO) de l'Association Française des Vétérinaires pour Animaux de Compagnie (AFVAC) sur le mastocytome cutané canin. Responsible for the part of Radiation Oncology
- Foundation member (Socio fondatore) AIVO (Associazione Italiana Veterinari per l'Oncologia)
- Council member EPPM (European Platform for Photodynamic Medicine)

PUBLICATIONS (PEER REVIEWED)

- **Buchholz J.**, Walt H., Fidel J., Hornung R., Ohlerth S., Rohrer Bley C., Wergin M., Kaser-Hotz B. (2003). Photodynamische Therapie beim feline Plattenepithelkarzinom sowie bei verschiedenen kaninen Tumoren, Kleintierpraxis, 48 (7), 405-418.
- **Buchholz J.**, Kaser-Hotz B., Khan T., Rohrer Bley C., Melzer K., Schwendener RA., Roos M., Walt H. (2005). Optimizing Photodynamic Therapy: *In vivo* pharmacokinetics of liposomal *m*-THPC in feline squamous cell carcinoma, Clinical Cancer Research, 11 (20), 7538-7544.
- Ohlerth S., Lalahova D., **Buchholz J.**, Roos M., Walt H., Kaser-Hotz, B. (2006). Changes in vascularity and blood volume as a result of photodynamic therapy can be assessed with Power Doppler ultrasonography, Lasers in Surgery and Medicine, 38 (3), 229-234.
- Khan T., Unternährer M., **Buchholz J.**, Kaser-Hotz B., Selm B., Rothmaier M., Walt, H. (2006). Performance of a contact textile-based light diffuser for photodynamic therapy, Photodiagnosis and Photodynamic Therapy, 3, 51-60.

- **Buchholz J.**, M Wergin, C Rohrer Bley, Heinrich Walt, S Gräfe, B Kaser-Hotz (2007). Photodynamic Therapy (PDT) of Feline Cutaneous Squamous Cell Carcinoma using a newly developed Liposomal Photosensitizer: Preliminary Results concerning Drug Safety and Efficacy, Journal of Veterinary Internal Medicine (JVIM), 21, 770-775.
- Rohrer Bley C., Roos M, Price J, Ruess-Melzer K, **Buchholz J**, Poirier V, Kaser-Hotz B. (2007). Clinical assessment of repeated propofol-associated anesthesia in cats, J Am Vet Med Assoc, 231: 1347-1353.
- Vignoli M., **Buchholz J.**, Morandi F., Laddaga E., Brunetti B., Rossi F., Terragni R., Sarli G. (2008). Primary spindle cell tumour (haemangiopericytoma) in a dog, JSAP, 49, 540-54.
- **Buchholz J.**, Ludewig E. (2009) Wie sinnvoll ist die Strahlentherapie bei der Behandlung degenerativer Gelenkerkrankungen? Der praktische Tierarzt, 90, Heft 5, Vetkolleg.
- **Buchholz J.**, Hagen R., Leo C., Ebling A., Roos M., Kaser-Hotz B., Rohrer Bley C. (2009) 3D conformal radiation therapy for palliative treatment of canine nasal tumors". Vet Rad & US, 50 (6): 679-63.
- Reed SD, Fulmer A., **Buchholz J.**, Zhang B, Cutrera J., Shiomitsu K, Li S. (2010) Bleomycin/interleukin-12 electrochemogenetherapy for treating naturally occurring spontaneous neoplasms in dogs. Cancer Gene Ther., 17(7):457-64
- **Buchholz J.**, Kaser-Hotz B. (2010) Kombination von photodynamischer Therapie und Hyperthermie mit wassergefiltertem Infrarotlicht zur Behandlung kutaner Plattenepithelkarzinome bei 15 Katzen: Eine Pilotstudie. Kleintierpraxis, 50 (5): 248-54.
- Brown E., Rademacher N., Gieger T., Gaschen L., **Buchholz J.** (2010) What's your diagnosis? Tracheal lymphoma in a cat. JAVMA, 236 (9): 953-54.
- Marconato L, Ruess-Melzer K, **Buchholz J**, Kaser-Hotz B. (2011) Neue Konzepte in der humanen Onkologie: Können sie in der Veterinärmedizin eingesetzt werden? Schweiz Arch Tierheilkd. 153(8): 351-60.
- Marconato L, **Buchholz J**, Keller M, Bettini G, Valenti P, Kaser-Hotz B. "Multimodal Therapeutic Approach and interdisciplinary challenge for the treatment of unresectable head and neck squamous cell carcinoma in 6 cats: A pilot study". Vet Comp Oncol. 11(2): 101-12.
- Marconato L, Nitzl D, Ruess K, Keller M, **Buchholz J.** (2012) "Chemotherapy and radiation therapy in 4 dogs with muscle-invasive transitional cell carcinoma of the urinary tract". Can Vet J. 53(8): 875-879.
- **Buchholz J**, Devauchelle P. (2012) Radiothérapie (Mastocytome cutané canin). Supplément Pratique Vét n° 98 – PratiqueVet, 47: 186-189.
- Herzog A, **Buchholz J**, Ruess K, Kaser-Hotz B. (2012) Kombinierte Anwendung von Strahlentherapie und DNS Tumor Vakzine zur Behandlung des oralen malignen Melanoms beim Hund: Eine Pilotstudie. Schweizer Archiv Tierheilkd. 155 (2): 135-42.

- **Buchholz J.** (2013) Die Strahlentherapie für Tumoren im Kopfbereich. *Hundkatzeferd* 03/13: 9-10.
- **Buchholz J, Walt H.** (2013) Veterinary photodynamic therapy: A review. *Photodiagnosis and Photodynamic Therapy.* 10(4): 342-7.
- **Buchholz J** und Kaser-Hotz B. (2014) Strahlentherapie „Specials“ – nicht nur gut für Bösartiges! – Zwei Fallberichte. *Kleintiermedizin* März/April 2014:
- **Buchholz J (2015)** Photodynamische Therapie. *Hundkatzeferd* (im Druck)
- Santagostino S, Mortellaro C, **Buchholz J**, Lugli M, Forlani A, Ghisleni G, Roccabianca P. Primary angiocentric/angioinvasive T-cell lymphoma of the tympanic bulla in a feline leukaemia virus-positive cat. *Journal of Feline Medicine and Surgery Open Reports.* Accepted for publication 2015.
- Treggiari E, Maddox TW, Gonçalves R, Benoit J, **Buchholz J**, Blackwood L. RETROSPECTIVE COMPARISON OF THREE-DIMENSIONAL CONFORMAL RADIATION THERAPY VS. PREDNISOLONE ALONE IN 30 CASES OF CANINE INFRATENTORIAL BRAIN TUMORS. *Vet Radiol Ultrasound.* 2017;58(1):106-116.
- Sabattini S, Renzi A, Albanese F, Fantinati M, Rigillo A, Abramo F, Tornago R, Tortorella G, Massaro M, Pagano TB, **Buchholz J**, Bettini G. Evaluation of Ki-67 expression in feline non-ocular melanocytic tumours *BMC Vet Res.* 2018 12;14(1):309
- Poirier VJ, Mayer-Stankeová S, **Buchholz J**, Vail DM, Kaser Hotz B. Efficacy of Radiation Therapy for the Treatment of Sialoceles in Dogs. *J Vet Intern Med.* 2017
- **Buchholz J**, Ludewig E, Brühschwein A, Nitzl D, Sumova A, Kaser-Hotz B. Radiation Therapy Planning using MRI-CT fusion in dogs & cats with brain tumors. *Tierärztliche Praxis* (accepted for publication)

PUBLIKATIONEN (NOT PEER REVIEWED)

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- **Buchholz J**, Devauchelle P. (2012) Radiothérapie (Mastocytome cutané canin). *Supplément Pratique Vét n° 98 – PratiqueVet*, 47: 186-189.
 - **Buchholz J.** (2013) Die Strahlentherapie für Tumoren im Kopfbereich. *Hundkatzeferd* 03/13: 9-10.
 - **Buchholz J, Walt H.** (2013) Veterinary photodynamic therapy: A review. *Photodiagnosis and Photodynamic Therapy.* 10(4): 342-7.
 - **Buchholz J** und Kaser-Hotz B. (2014) Strahlentherapie „Specials“ – nicht nur gut für Bösartiges! – Zwei Fallberichte. *Kleintiermedizin* März/April 2014
 - **Buchholz J (2015)** Photodynamische Therapie. *Hundkatzeferd* (im Druck)
 - Buchholz J., Die häufigsten Neoplasien der Haut beim Hund – Ein Überblick. *Kleintier konkret* 2018; 21: 41-48

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- Ohlerth S, Lalahová D, **Buchholz J**, Melzer K, Rohrer Bley C, Roos M, Kaser-Hotz B: Effects of photodynamic therapy on vascularity and perfusion can be assessed with power Doppler ultrasonography. ECVDI, Naples, Italy. October 2005
 - Ludewig E, Aupperle H., Gäbler K., **Buchholz J**. Knochentumore aus Sicht der Radiologen. 4. Leipziger Tierärztekongress, Leipzig, Deutschland, January 2008
 - Rassnick KM, Clifford CA, Rodriguez C, Ward R, Kristal O, **Buchholz J**, Segev G, Dank G. Clinical outcome of canine hepatic lymphoma. VCS, Seattle, USA, October 2008
 - Ludewig E, Krastel D, **Buchholz J**. Röntgen zur Metastasensuche! ...oder kann die bildgebende Diagnostik mehr bieten? 5. Leipziger Tierärztekongress, Leipzig, Deutschland, January 2010
 - Valenti P, Leo C, Bettini G, Nitzl D, **Buchholz J**, Marconato L. Approccio multimodale ai tumori uretrali del cane: Descrizione di 2 casi, SCIVAC, Rimini, Italia, Maggio 2010
 - Herzog A, **Buchholz J**, Ruess K, Kaser-Hotz B. Concurrent radiation therapy and DNA tumor vaccination to treat canine oral malignant melanoma: Preliminary results. ECVDI, Giessen, Deutschland, July 2010
 - Marconato L, **Buchholz J**, Keller M, Bettini G, Valenti P, Kaser-Hotz B. "Multimodal Therapeutic Approach and interdisciplinary challenge for the treatment of unresectable head and neck squamous cell carcinoma in 6 cats: A pilot study". ESVONC/VCS, Paris, France, March 2012
 - Gramer I, Keyerleber M, Kleiter M, Tierny D, **Buchholz J**, Butinar J, Hansen K, Benoit J. „Radiotherapy in the treatment of 52 canine genitourinary carcinomas: preliminary results of a multi-institutional retrospective study“. ESVONC, Vienna, Austria, May 2014.
 - Turek M, Looper J, LaDue T, Keyerleber M, Buchholz J, Gieger T, Vail D. A retrospective Analysis of multimodality treatment for canine oral melanoma. VCS Annual Conference, St. Louis, MO, October 9-11, 2014.
 - M. Turek, T. LaDue, J. Looper, K. Nagata, K. Shiomitsu, M. Keyerleber, J. Buchholz, T. Geiger, D. Vail. A retrospective Analysis of multimodality treatment for canine oral melanoma: 126 cases. ACVR 2015 and ACVIM 2016
 - Silvia Sabattini, Marco Fantinati, Andrea Renzi, Giovanni Tortorella, Raimondo Tornago, Julia Buchholz, Giuliano Bettini. Evaluation of Ki67 expression in feline non-ocular melanocytic tumours. ESVONC, Lyon, Aprile 2017

INVITED TALKS

2005

- “Photodynamic Therapy for oncologic animal patients”. University Hospital Zurich, Switzerland, Interdisciplinary Seminars, November 2005

- “Photodynamic Therapy”. German Veterinary Society DGK-DVG, Berlin, Germany. November 2005

2006

- “Optimized Photodynamic Therapy for oncologic animal patients”. Workshop PDT & Fluorescence Diagnostics. Lasercenter, Marburg, Germany. February 2006
- “Optimized Photodynamic Therapy”. Minisymposium: Photodynamic medicine-on the way to success-. University Hospital Zurich, Switzerland, June 2006

2007

- Conference of the Swiss Society of Small Animal Medicine. Montreux, Switzerland. May 2007
 - “Thérapie photodynamique
 - Comment interpréter le rapport du pathologiste
 - Radiothérapie“
- Master of Oncology, Pisa, Italy, October 2007
 - Radioterapia – Indicazioni
 - Terapia fotodinamica
- Photodynamic Therapy in veterinary medicine, Beckman Laser Institute Irvine, California, USA, December 2007

2008

- Radiation Therapy to treat painful DJD. Forth Veterinary Congress of the City of Leipzig. Germany, January 2008
- Incontro SIODOV (SCIVAC) “Oncology of the oral cavity”, Cremona, Italy, February 2008
- Veterinary Oncology SIONCOV (SCIVAC), 58° National Congress, Milan, Italy, March 2008
 - Radioterapia
 - Terapia fotodinamica
- „Photodynamic Therapy in Veterinary Medicine; 7th International Symposium on Photodynamic Diagnosis and Therapy in Clinical Practice. Brixen/Bressanone, Italy. October, 2008
- Master of Oncology, University of Pisa, Italy, October 2008
 - Radioterapia – Indicazioni
 - Terapia fotodinamica

2009

- “La radioterapia palliativa” Incontro SIONCOV (SCIVAC), Cremona, Italy, January 2009
- “Radiation therapy for multicentric lymphoma”. 62° Congresso Internazionale SCIVAC, Rimini, Italia, Maggio, 2009
- Master of Oncology, University of Pisa, Italy, July 2009
 - Terapia fotodinamica

- „Radiation Therapy: Principles and Indications “. Specialized Small Animal Clinic, Haar, Munich, Germany, Oktober 2009

2010

- „Veterinary Radiation Therapy – Who needs it? Fifth Veterinary Congress of the City of Leipzig. Germany, January 2010
- „Radioterapia: Principi ed esempi clinici“ – Seminar for local Vets of the Ticino, Bellinzona, Switzerland, April 2010
- „Therapy of feline SCC and localised lymphoma of the”. Meeting for local Vets, Tierärztl. Spezialistenklinik + Animal Oncology Center, Hünenberg, Switzerland, August 2010
- PDT del cavo orale; Principi di Radioterapia; RT tumori del cavo orale e del naso-faringe (casi clinici), Oncology Seminars, UNISVET, Milan, Italy, October 2010
- „Neoplasia of the head: Which information does the radiation oncologist need from the radiologist“; 56. Annual Congress of the German Society of Small Animal Medicine DGK-DVG, Düsseldorf, Germany, October 2010
- Itinerary of Oncology 2010-2011. SCIVAC, Cremona, Italy, 2010
 - Biologia tumorale e processo metastatico
 - Terapia fotodinamica: curare con la luce
 - Radioterapia: quando, come e perché
 - Esercitazione pratiche su casi clinici

2011

- “Clinical experiences using PDT in veterinary patients – a bright future! 13th International Photodynamic Association (IPA). Innsbruck, Austria. May 2011
- „Light helps cure - Photodynamic Medicine applied in animals“. Light in arts, chemistry and medicine, Collegium Helveticum, Semper-Sternwarte, Zurich, Switzerland, May 2011
- „The role of radiation therapy and PDT for diseases of the skin.“ German Society of Veterinary Dermatology- DGVD, Berlin, Germany, May 2011
- „Neoformazioni del cavo orale – Approccio e terapia“ – Seminar for local Vets of the Ticino, Bellinzona, Switzerland, June 2011
- Consensus du Groupe d’Etude en Oncologie (GEO) de l’Association Française des Vétérinaires pour Animaux de Compagnie (AFVAC) sur le mastocytome cutané canin. Paris, September 2011
- „Radiation Therapy: Its use for musculoskeletal disorders“. **Boehringer** Fortbildungsreihe (Orthopädie bei Hund und Katze - behandeln wir sie alle gleich?)
 - Münster, September 2011
 - Bremen, October 2011
 - Frankfurt, November 2011

- “Terapia fotodinamica: principi ed indicazioni” Incontro SIONCOV (SCIVAC), Cremona, Italy, October 2011
- Itinerary of Oncology 2011-2012. SCIVAC, Cremona, Italia, December 2011
 - Radioterapia per neoplasie cutanee e sottocutanee
 - Radioterapia per neoplasie ossee
 - Trattamento del Carcinoma squamocellulare felino con Radioterapia e Terapia fotodinamica
 - Esercitazione pratiche su casi clinici

2012

- The oral SCC of the cat: Aggressive Tumor needs aggressive Therapy? Sixth Veterinary Congress of the City of Leipzig. Germany, January 2012
- „Radiation Therapy: Its use for musculoskeletal disorders”. **Boehringer** Fortbildungsreihe (Orthopädie bei Hund und Katze - behandeln wir sie alle gleich?)
 - Karlsruhe, Januar 2012
- “Main Indications for Radiation Therapy (RT) & Photodynamic Therapy (PDT)”, Royal Veterinary College, London, February 2012
- “La radiothérapie pour le praticien “. Journée française du Congrès Mondial d’Oncologie Vétérinaire. Paris, France, March 2012
- “La radiothérapie du Mastocytome“. Présentation du Consensus du mastocytome canin à la Journée française du Congrès Mondial d’Oncologie Vétérinaire. Paris, France, March 2012
- Itinerary of Oncology 2011-2012. SCIVAC, Cremona, Italia, April 2012
 - Radioterapia per neoplasie orali
 - Terapia medica per neoplasie orali
 - Esercitazione pratiche su casi clinic
- Tumoren von Nase, Maulhöhle und Hals: Was sollten wir wissen – was können wir tun?“ Schweizerische Tierärzttage (SVK) Interlaken, Juni 2012
- „Let there be light... to cure our animal patients. 9th International Symposium on Photodynamic Diagnosis and Therapy in Clinical Practice. Brixen/Bressanone, Italy. October, 2012
- „Ruolo di radioterapia nel trattamento di tumori orali di cane e gatto“, „Ruolo di radioterapia nel trattamento di tumori nasali del cane“. Incontro SIONCOV (SCIVAC), Cremona, Italia, Ottobre 2012
- 3. Zahnkongress SSVD (Swiss Society of Veterinary Dentistry), Kiefer- und Maulhöhlenchirurgie mit Schwerpunkt Onkologie, “Maul- und Kiefertumoren beim Haustier”, Lyssach, Switzerland, November 2012
- Let there be light... to cure our animal patients. Seminar USZ, Dezember 2012

2013

- Sarcoma Workshop, Themed session on Surgical Margins in Sarcoma: is it quality, not quantity? Neoadjuvant/adjuvant treatments: Can they really reduce surgical margins? "The role of radiation therapy in the treatment of sarcoma" ESVONC, Lisbon, May/June 2013
- 1st Meeting of the European Canine Lymphoma Group at the Canine Lymphoma Workshop (CLW) STATE OF THE ART AND COMPARATIVE ASPECTS IN CANINE LYMPHOMAS at the International Conference on Malignant Lymphoma Palazzo dei Congressi, Lugano (Switzerland), June 19-22, 2013 "Role of radiation therapy in cNHL"
- Morges Virbac: „La radiothérapie pour les tumeurs orales, nasales et cérébrales“. Septembre 2013

2014

- Master Executive di Oncologia 2014/2015. Unione Italiana Società Veterinarie (UNISVET), Milano, Italia, Novembre 2014
 - Basi e generalità di radioterapia
 - Cenni di fototerapia

2015

- Master Executive di Oncologia 2014-2015. UNISVET, Milano, Italia, Gennaio 2015
 - Radioterapia per tumori cutanei e dei sacchi anali
- Photodynamische Therapie. 3. Schweizerische Tierärztetage. Basel, Schweiz. Mai 2015
- Master Executive di Oncologia 2014-2015. UNISVET, Milano, Italia, Giugno 2015
 - Radioterapia per tumori ossei
- European College of Veterinary Internal Medicine (ECVIM), Lisbon, September 2015
 - The role of radiation therapy for lymphoma
- Società Italiana di Oncologia Veterinaria (SIONCOV). La radioterapia in aiuto al medico e chirurgo oncologo. Cremona, 14-15 Novembre 2015
 - Melanomi, sarcomi, carcinomi della cavità orale del cane e del gatto
 - I tumori tiroidei: quando il chirurgo non ha spazio
 - I tumori mediastinici/tumori vescicali

2016

- 8. Leipziger Tierärztekongress, Leipzig, Deutschland, Januar 2016
 - ... Was zu tun und nicht zu tun ist ... bei der Strahlentherapie – Stand 2016
- AIVO (Associazione Italiana Veterinari per l'Oncologia): Terapia palliativa per l'osteosarcoma canino. Milano Italia, Maggio 7-8 2016
- ESVE (European Society of Veterinary Endocrinology) Summer School of Veterinary Endocrinology. Bologna, Italy, June 26 – July 1st.

- Pituitary Macroadenomas: radiation treatment
- DVGD (Deutsche Gesellschaft für Veterinärdermatologie) 9.-11. September 2016, Münster, Deutschland. Dermatologie trifft Onkologie: Hauttumore: Im Falle eines Falles ist Zyto wirklich alles? Tumortypen und Therapieoptionen fallbasiert. Sonya Bettenay & Julia Buchholz
- AIVO (Associazione Italiana Veterinari per l'Oncologia): Milano Italia, Novembre 6 2016
 - Radioterapia delle neoplasie del sistema nervoso centrale e periferico: quando e come.
 - Innovazioni in radioterapia: IMRT e SRT
- 13^e JOURNEE ROMANDE DE FORMATION DES AMV „Cancer et thérapies“: Les tumeurs plus fréquentes - quelle thérapie est indiquée? Le bilan d'extension en oncologie - est-ce que plus est toujours mieux? Morges, Novembre 2016

2017

- Improve International, Modul 12 (Theorie)
Strahlentherapie, Neuroonkologie Frankfurt a. Main, März 2017
 - Intrakranielle und spinale Neoplasien: Diagnostik und Therapiemöglichkeiten
 - Grundlagen der Strahlentherapie (Indikationen, Geräte, Nebenwirkungen)
 - Fallbeispiele Strahlentherapie von Tumoren
- 55ième Congrès national AFVAC, Nantes, France, 23-25 Novembre
 - Radiothérapie : adaptation du protocole
 - Traitement palliatif en oncologie : de quoi parle-t on ?
 - Les tumeurs cérébrales
 - Cas cliniques: tumeurs buccales

2018

- Fortbildungsveranstaltung Schloss Reinach, Krebstherapie- wo stehen wir? Freiburg, März 2018
- Improve International, Modul 12 (Theorie)
Strahlentherapie, Neuroonkologie Frankfurt a. Main, März 2017
 - Intrakranielle und spinale Neoplasien: Diagnostik und Therapiemöglichkeiten
 - Grundlagen der Strahlentherapie (Indikationen, Geräte, Nebenwirkungen)
 - Fallbeispiele Strahlentherapie von Tumoren
- Allianz Tierkrankenversicherung (TKV) Expertentag: Krebstherapie beim Tier, München, Juli 2018
- Deutsche Veterinärmedizinische Gesellschaft Berlin Oktober 2018
 - Radiotherapie beim Lymphom: Indikationen und Verfügbarkeit
 - Strahlentherapie & Photodynamische Therapie: Anforderungen an die Bildgebende Diagnostik

TALKS

- “Photodynamische Therapie (PDT)”. Seminar für Residents, Assistenten und Professoren. Tierspital, Universität Zürich, Schweiz. Juli 2003
- „Photodynamische Therapie zur Behandlung des Equinen Sarkoids“. Seminar für Residents, Assistenten und Professoren. Tierspital, Universität Bern, Schweiz, Mai 2004
- “Photodynamische Therapie zur Behandlung feliner Plattenepithelkarzinome”. 36th Jahresversammlung der Schweizerischen Gesellschaft für Kleintiermedizin. Interlaken, Schweiz. Juni 2004
- „Chemotherapie: Mögliche Nebenwirkungen und deren Behandlung“. Seminar für Residents, Assistenten und Professoren. Universität Zürich, Schweiz. September 2004
- “Creating an optimized Photodynamic Therapy protocol: *In vivo* pharmacokinetics of liposomal m-THPC (Fospeg) in cats with spontaneous squamous cell carcinoma.” International Photodynamic Association (IPA). Munich, Germany. June 2005
- “Das Plattenepithelkarzinom”. Seminar für Residents, Assistenten und Professoren. Universität Zürich, Schweiz. Juli 2005
- “Effective and easy treatment of cats with cutaneous squamous cell carcinoma with Photodynamic Therapy (PDT)”. ESVONC Spring Meeting, Ljubljana, Slovenia. April 2006
- “Strahlentherapie: “Kein Effekt ohne Nebenwirkung-Mögliche akute und chronische Nebenwirkungen”. Seminar für Residents, Assistenten und Professoren. Universität Zürich, Schweiz, Mai 2006
- “Photodynamic Therapy for the treatment of Feline Cutaneous Squamous cell carcinoma”. IVRA/ACVR Joint Scientific Conference, Vancouver, Canada. August 2006
- “Half-body (HB) sandwich radiation therapy interpolated into a CHOP-based chemotherapy protocol for the treatment of canine lymphoma: Assessment of toxicity and efficacy in 32 dogs”. 1st WORLDvetCANCER 2008 Copenhagen (ESVONC and VCS), Denmark, February 2008
- “Three dimensional conformal radiotherapy (3D-CRT) for palliative treatment of nasal tumors”: Retrospective analysis of outcome and prognostic factors in 38 dogs (2000-2005). ACVR, San Antonio, USA, October 2008
- “Computerized 3-D treatment planning using MRI-CT fusion with regard to planning target volumes of brain tumour patients.” ECVDI, Giessen, Germany, July 2010

TEACHING

- Spring- and fall semester 2008: Student Teaching in Oncology, Louisiana State University, 2008

- 2006-2009: Master di Oncologia (corso annuale), Università di Pisa, Italia
 - Radiooncologia
 - Terapia fotodinamica
- 2010-2012: Itinerario di Oncologia, Società Culturale Italiana Veterinari per Animali da Compagnia (SCIVAC), Cremona, Italia
- 2014/2015: Master Executive di Oncologia. Unione Italiana Società Veterinarie (UNISVET), Milano, Italia

2017 and 2018

- Improve International advanced training oncology, modul 12 (Theory) – radiation oncology, neurooncology, Frankfurt, Germany

CONTINUING EDUCATION

- 03/2005 Emergencies in Small Animal Medicine, 5 day intensive course, University of Zurich, Switzerland
- 06/2005 Rotation Diagnostic Imaging, University of Zurich, Switzerland
- 10/2005 ESTRO Radiobiology course, 5 day intense course, Izmir, Turkey
- 10/2005-02/2006 Preparation Course for the Specialization of Human Radiologists, University of Zurich, Switzerland
- 03/2006 LTK Module 1E: Introductory course in laboratory animal science, University of Zurich, Switzerland
- 08/2006 Physics Review Workshop, 4-day intense course by Wendell Lutz, medical physicist at the Radiation Oncology Department, University Medical Center, University of Arizona, Tucson, Arizona, USA
- 2006/2007 Radiation Safety (Modules 0 – 2), Radiation Control Office, Colorado State University, USA
- Fall semester 2006, Radiological Physics and Dosimetry, Colorado State University, USA
- Fall semester 2006, Radiation Oncology, Colorado State University, USA
- Spring semester 2007, Alternative Diagnostic Imaging Mod., Colorado State University, USA
- Spring semester 2007, Physics in Radiation Oncology, Colorado State University, USA
- Spring semester 2007, Imaging in Oncology, Colorado State University, USA
- Fall semester 2007, Principles of Radiation Biology, Colorado State University, USA
- Fall semester 2007, Cancer Biology, Colorado State University, USA

- 08/2007 Physics Review Workshop, 4-day intense course by Wendell Lutz, medical physicist at the Radiation Oncology Department, University Medical Center, University of Arizona, Tuscon, Arizona, USA
- ACVR Annual Scientific Conference, Chicago, Illinois, USA. November 2007
- VARIAN ECLIPSE Operation Course, Las Vegas, USA. April 2008
- Veterinary Cancer Society (VCS). Seattle, USA. October 2008
- 13th SASRO (Scientific Association of Swiss Radiation Oncology), Annual meeting, Baden, Switzerland, March 2009
- Incontro SIONCOV (SCIVAC): Tumori rari e difficili, Cremona, Italia, Aprile 2011
- Western Veterinary Acupuncture Group: Foundation Course, Shuttleworth College, Februar und März 2012
- ACVR Annual Scientific Conference, October 2013, Savannah, USA
- ESVONC May 2015 Krakow, Poland
- Zuppinger-Symposium: Next Generation of Radiation Therapy: Imaging is Everywhere, November 2015, Bern, Switzerland
- Congresso SCIVAC – L’Oncologia Veterinaria nel 2016, Febbraio 2016, Verona, Italy
- ACVR Annual Scientific Conference, October 2016, Orlando, FL, USA
- ECVDI Annual Scientific Conference Verona, August 2017

POSTER

- Walt H, Khan T, Kaser-Hotz B, **Buchholz J**, Selm B, Camenzind M, Schmid M, Spaniol A, Bischoff B, Bilia M, Ferrario R. „TISSULITE: Development of a flexible, plane illumination system for photomedicine“. KTI-meeting, Bern, Switzerland. August 2003
- Khan T, **Buchholz J**, Selm B, Kaser-Hotz B, Walt H. „Development of a novel device for diffuse light application in Photodynamic Therapy“. 5th International Symposium on Photodynamic Diagnosis and Therapy in Clinical Practice. Brixen/Bressanone, Italy. October 2003
- **Buchholz J**, Khan T, Ohlerth S, Kaser-Hotz B, Selm B, Walt H. „Application of a novel, flexible, textile-based light diffuser in Photodynamic Therapy (PDT)“. Poster presentation. Winner of the “best posters award”. 36th Annual Meeting Union of the Swiss Society for Experimental Biology. Fribourg, Switzerland. February 2004
- **Buchholz J**, Khan T, Kaser-Hotz B, Ohlerth S, Haller U, Walt H. „Optimization of Photodynamic Therapy in feline squamous cell carcinoma using Doppler ultrasound and spectrophotometry“. Poster presentation. Annual Meeting of the Swiss Society for Gynecology and Obstetrics, 24-26th. Interlaken, Switzerland. June 2004

- **Buchholz J**, Khan T, Kaser-Hotz B, Selm B, Camenzind M, Walt H: „Optimization of Photodynamic Therapy (PDT) by using a flexible textile light diffuser: first applications in animal patients“. Poster presentation. KTI-meeting, Bern, Switzerland. September 2004
- **Buchholz J**, Khan T, Kaser-Hotz B, Selm B, Walt H. „Improving Photodynamic Therapy (PDT): Clinical application of a flexible light diffuser: First results“. Poster presentation. Joint Meeting Union of the Swiss Societies for Experimental Biology. Zurich, Switzerland. February 2005
- **Buchholz J**, Rossi F, Vignoli M, Terragni R, Sarli G. “Uncommon radiographic appearance of a nerve sheath tumour in the femur of a dog“. Poster presentation. ECVDI, Naples, Italy. October 2005
- Cutrera J, Hosgood G, **Buchholz J**, Gieger T, Shiomitsu K, Li S. “Electrochemogenetherapy with Bleomycin and Interleukin 12 for the treatment of histiocytic sarcoma and acanthomatous epulis in dogs.” American Society of Gene Therapy, San Diego, CA, USA. May, 2009
- Woodfill S, Looper J, LaDue T, Keyerleber M, **Buchholz J**, Gieger T, Vail D, Turek M. „A Retrospective Analysis of Multimodality Treatment for Canine Oral Melanoma: An Interim Report“. University of Madison-Wisconsin, local undergrad research symposium. April 2014
- Silvia Sabattini, Marco Fantinati, Andrea Renzi, Giovanni Tortorella, Raimondo Tornago, Julia Buchholz, Giuliano Bettini. Evaluation of Ki67 expression in feline non-ocular melanocytic tumours. ESVONC, Lyon, Aprile 2017

MEMBERSHIPS

- ACVR (American College of Veterinary Radiology and Radiation Oncology)
- ECVDI (European College of Veterinary Diagnostic Imaging)
- ESVONC (European Society of Veterinary Oncology)
- EPPM (European Platform for Photodynamic Medicine)