

PUBLICATIONS IN INTERNATIONAL JOURNALS

- A1** articles published in journals listed in the ISI Web of Science (the Science Citation Index, the Social Sciences Citation Index or the Arts and Humanities Citation Index). Restricted to contributions listed as: *article, review, letter, note and proceedings paper* including articles in press or accepted for publication (See <http://apps.isiknowledge.com>).
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p. 1-25.

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Animals, Faculty of Veterinary Medicine, Ghent University, Merelbeke, Belgium. p. 1-20.

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Animal Arthroscopy, Refresher Course: Stifle Joint”, January 21-22, 2005, Department of Medical Imaging of Animals,
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Imaging joints and arthroscopy. British Small Animal Veterinary Association, 48th Annual Congress. 7-10 April 2005,
Glasgow, UK. p. 502-504.

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CT scans: when and how? Nursing Programme, British Small Animal Veterinary Association, 48th Annual Congress. 7-
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Comparison of Imaging Techniques used in the Osteoarthritic Joint and their Interpretation.
Hill’s European Symposium on Osteoarthritis and Joint Health, 26th April 2005, Genova, Italy. p 32-39.

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Small Animal Arthroscopy. Instituto Zooprofilattico della Sicilia, Palermo, Sicily, Italy. 15-16 October 2005. p. 1-19.

I. Gielen, H. van Bree. 2005. INVITED SPEAKER

Rigid endoscopy: instruments, laparoscopy, thoracoscopy, cystoscopy, rhinoscopy, otoscopy, arthroscopy. Endoscopy Intensive Course, European School for Advanced Veterinary Studies, ESAVS, 1-5 August, 2005, Brno, Czech Republic. p. 3 -28.

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Computer Tomography of the splanchnocranium. 4th Dusseldorfer Vet-Imaging-Day. 4. Dusseldorfer Symposium fur "Bildgebende Diagnostik in der Kleintiermedizin", 3rd December 2005, Dusseldorf, Germany. p. 2-6.

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15th Annual Scientific Meeting ECVS, June 29 – July 1, 2006 Sevilla, Spain. p. 411-415.

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INVITED SPEAKER

Instruments used in minimal invasive surgery, Thoracoscopy technique and applications, Otoscopy, Rhinoscopy.

Endoscopy Intensive Course, European School for Advanced Veterinary Studies, ESAVS, 10-14 July, 2006, Brno, Czech Republic. p. 2. -23.

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ACVS Veterinary Symposium, October, 5-7, 2006, Washington DC, USA. 4 p.

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Veterinary Symposium, 17-19 November 2006, Belgrado, Serbia. p. 154-158.

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Veterinary Symposium, 17-19 November 2006, Belgrado, Serbia. p. 159-170.

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5th Dusseldorfer Symposium fur "Bildgebende Diagnostik in der Kleintiermedizin", 2nd December 2006, Dusseldorf, Germany. p. 12-15.

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The use of MRI in small animal orthopaedics: in competition with arthroscopy?

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Oncologisch Treffen 2007: "tumours of the extremities in dogs and cats: need for extreme measures" 10-11 febr. 2007, Soesterberg, The Netherlands. p.119-121.

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CT of brain disease.

3rd European Veterinary MR Users Days, Gradient echo and Neurocranium, May 12-13, 2007, Berne University, Switzerland. p. 94-98.

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Computed tomography in head trauma in small animals.

3rd European Veterinary MR Users Days, Gradient echo and Neurocranium, May 12-13, 2007, Berne University, Switzerland. p. 99-100.

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The use of Computerized Tomography in small animal orthopaedics.

Proceedings Resident Course, August 29, 2007, EAVDI 2007, Porto Carras, Greece.p 1-5.

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Minimal Invasive Surgery, Video-Otoscopy and Rhinoscopy.

ESAVS Course "Endoscopy", Endoscopy Intensive Course, European School for Advanced Giessen, Germany, 1 – 5 October 2007. p 1-19.

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Radiology of bone tumours.

Veterinary Symposium Serbia, Belgrade, 9-11 November, 2007. p. 125-138.

I. Gielen & H. van Bree. 2008. INVITED SPEAKER

The use of computerized tomography (CT) in small animal orthopaedics.

Veterinary Computer Tomography. York, UK, 20th-21st February, 2008. p. 117-123.

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Computed tomography of the splanchnocranium. 4th European Veterinary MRI-User Meeting 2008, 16-17 May 2008, Faculty of Vet. Medicine, Ghent University, Belgium. p. 90-93.

H. van Bree, I. Gielen. 2008.

Diagnostic Imaging in Elbow Dysplasia: including scintigraphy, radiography, ultrasound, CT and MRI.

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Lesions of the medial coronoid process in dogs older than 6 years: arthroscopic findings and results after treatment. A retrospective study of 43 cases. 14th Esvot, München, Germany. 11-14 September, 2008. p. 353-354.

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Medical imaging in the canine stifle. 14th Esvot, München, Germany. 11-14 September, 2008. p. 186-190.

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Advances in arthroscopy. Southern European Veterinary Conference, 17-19 October, 2008, Barcelona, Spain. 4 pages.

B. Van Ryssen, Y. Samoy, I. Gielen, K. Vermote, H. van Bree. 2008.
Arthroscopy of the elbow joint. Southern European Veterinary Conference, 17-19 October, 2008, Barcelona, Spain. 8 pages.

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"25th International Workshop for Small Animal Arthroscopy, advanced course", January 23-24th, 2009, Department of Medical Imaging and Small Animal Orthopaedics, Faculty of Veterinary Medicine, Ghent University, Merelbeke, Belgium. p. 4-6.

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Imaging findings in 5 dogs with insertional flexor tendon disorders.
"25th International Workshop for Small Animal Arthroscopy, advanced course", January 23-24th, 2009, Department of Medical Imaging and Small Animal Orthopaedics, Faculty of Veterinary Medicine, Ghent University, Merelbeke, Belgium. p. 14-16.

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The use of radiography in the genetic selection of dogs.
International Working Dog Breeding Association (IWDBA) Conference, May 12-15, 2009, Ieper, Belgium. 8 pages. The abstracts for those presentations and posters are being published in the Journal of Veterinary Behavior: Clinical Applications and Research.

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Comparative imaging of the spine: the interest of CT.
5th European Veterinary MRI-User Meeting 2008, 16-17 May 2009, Bern University, Switzerland. p. 91-99.

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Arthroscopy in the dog. Basic arthroscopy course, June 6-7, 2009. University Lufosina, Lisbon, Portugal. p. 1-23.

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Arthroscopy of the shoulder and elbow in small animals. Arbeitstagung der Deutschen Gesellschaft für Kleintiermedizin. Juni, 12-14, 2009, Osnabrück, Deutschland. p.125-145.

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I. Gielen. 2009. INVITED SPEAKER
Medical Imaging of the canine shoulder. Imaging of the tarsus and carpus. Medical imaging of the elbow joint. Medical imaging of the hip and stifle joint. Percorso di Diagnostica per Immagini del cane e del gatto, 5° Corso Diagnostica per Immagini Integrata dell'apparato Muscoloscheletrico, Università di Bologna, Bologna, Italy, 6-8 November 2009. p. 85-111, 113-132, 137-160, 165-178, 187-204.

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Medical imaging of the hip, stifle and tarsal joint in the dog and the cat. Röntgenologisch onderzoek van het achterbeen bij hond en kat. Handouts tijdens congres over geneeskunde van het gezelschapsdier, 22 en 23 januari 2010, Rhon, Nederland. p 1-51.

I. Gielen, H. van Bree. 2010. INVITED SPEAKER

CT brain, Advanced Veterinary Diagnostic Imaging: Practical and Interactive CT Workshop, International Workshop. La Società culturale italiana veterinari per animali da compagnia (Scivac), Cremona, Italy, March 25-27, 2010. Handouts 21 p.

I. Gielen, H. van Bree. 2010. INVITED SPEAKER
Orthopaedic CT, Advanced Veterinary Diagnostic Imaging: Practical and Interactive CT Workshop, International Workshop. La Società culturale italiana veterinari per animali da compagnia (Scivac), Cremona, Italy, March 25-27, 2010. Handouts 23 p.

S. De Decker , I. Gielen, L. Duchateau , A. Oevermann , L. Van Ham. 2011.
Update on the conservative management of disk associated cervical spondylomyelopathy in dogs.
Proceedings 29th Forum of the American College of Veterinary Internal Medicine (ACVIM), Research Abstract Forum, 15-18th June, 2011, Denver, Colorado, United States. p. 342-344.
Journal of Veterinary Internal Medicine, 2011, 25, 3, p. 751.

I. Gielen, J. Saunders, K. Peremans, H. van Bree. 2010.
Update on diagnostic imaging in elbow disease.
19th Annual conference European College of Veterinary Surgery. July 1-3, 2010, Helsinki, Finland.p. 198-199.

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Lumbosacral disease (LS): an update on diagnostic imaging techniques
20th Annual Scientific Meeting, European College of Veterinary Surgery, 8-10 July, 2011, Ghent, Belgium. p. 137-139.

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MRI and arthroscopy for evaluation of shoulder joint pathology.
20th Annual Scientific Meeting, European College of Veterinary Surgery, 8-10 July, 2011, Ghent, Belgium. p. 101-103.

I. Gielen, H. van Bree. 2011. INVITED SPEAKER
CT in brain diseases, Practical and Interactive CT Workshop, International Workshop. La Società culturale italiana veterinari per animali da compagnia (Scivac), Cremona, Italy, September 15-17, 2011. Handouts 23 p.

I. Gielen, H. van Bree. 2011. INVITED SPEAKER
CT in orthopaedic diseases, Practical and Interactive CT Workshop, International Workshop. La Società culturale italiana veterinari per animali da compagnia (Scivac), Cremona, Italy, September 15-17, 2011. Handouts 25 p.

I. Gielen, B. Van Ryssen, H. van Bree. 2012.
Update on diagnostic imaging in elbow disease. Continuing Arthroscopy Course, Focus on elbow, shoulder & stifle arthroscopy, 30th International Workshop for Small Animal Arthroscopy, January, 27-28, 2012. Department of Medical Imaging and Small Animal Orthopaedics , Faculty of Veterinary Medicine, Ghent University, Merelbeke, Belgium. p. 26-28.

H. van Bree, I. Gielen. 2012.
Arthrography and MRI for evaluation of shoulder joint pathology. Continuing Arthroscopy Course, Focus on elbow, shoulder & stifle arthroscopy, 30th International Workshop for Small Animal Arthroscopy, January, 27-28, 2012. Department of Medical Imaging and Small Animal Orthopaedics , Faculty of Veterinary Medicine, Ghent University, Merelbeke, Belgium. p. 29-32.

I. Gielen, B. Van Ryssen & H. van Bree. 2012.
Diagnostic imaging of the canine stifle. Continuing Arthroscopy Course, Focus on elbow, shoulder & stifle arthroscopy, 30th International Workshop for Small Animal Arthroscopy, January, 27-28, 2012. Department of Medical Imaging and Small Animal Orthopaedics , Faculty of Veterinary Medicine, Ghent University, Merelbeke, Belgium.p. 33-36.

H. van Bree, H. de Rooster, I. Gielen. 2012.
Stress radiography of the stifle. Continuing Arthroscopy Course, Focus on elbow, shoulder & stifle arthroscopy, 30th International Workshop for Small Animal Arthroscopy,

January, 27-28, 2012. Department of Medical Imaging and Small Animal Orthopaedics, Faculty of Veterinary Medicine, Ghent University, Merelbeke, Belgium. p. 37-40.

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C. Crijns, I. Gielen. 2013.

CT in equine brain diseases. 3rd CT-User Meeting, International Veterinary CT-User Meeting, Ghent University-DVG, 30th November-1st December 2013, Ghent, Belgium. p. 88.

I. Gielen, H. van Bree. 2013.

Protocol in small animal CT. 3rd CT-User Meeting, International Veterinary CT-User Meeting, Ghent University-DVG, 30th November-1st December 2013, Ghent, Belgium. p. 121-125.

C. Crijns, A. Martens, E. Bergman, H. van der Veen, L. Duchateau, H. van Bree, I. Gielen. 2013.

Comparison of radiography vs. CT in equine orthopaedic trauma:

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L. Vlaminc, C. Crijns, I. Gielen. 2013.

Nasal cavity and sinuses in equines. 3rd CT-User Meeting, International Veterinary CT-User Meeting, Ghent University-DVG, 30th November-1st December 2013, Ghent, Belgium. p 148-149.

S. De Decker, R. Lam, R. M. Packer, I.M.L.V Gielen, H.A. Volk. 2014.

Vertebral mineral bone density in boxers with and without disseminated idiopathic skeletal hyperostosis (DISH). 27th Symposium of European College of Veterinary Neurology, September, 17-20, 2014, Madrid, Spain. (poster 40)

K. Bossens, S. Bhatti, I. Van Soens, I. Gielen, L. Van Ham. 2014.

Diffuse idiopathic skeletal hyperostosis in a nine year old cat.

27th Symposium of European College of Veterinary Neurology, September, 17-20, 2014, Madrid, Spain. (poster 32).

C. Crijns, A. Martens, E. Bergman, H. van der Veen, L. Duchateau, H. van Bree, I. Gielen. 2014. INVITED SPEAKER

Comparison of radiography vs. CT in equine orthopaedic trauma:

Intramodality and intermodality agreement in radiography and computed tomography of equine distal limb fractures.

9. Turkish Small Animal Veterinary Association Continuing Education Congress 2014, October 31- November 1, 2014, Istanbul, Turkey. p 196.

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Dingemanse W., Müller-Gerbl M. Jonkers I., Vander Sloten J., van Bree H., Gielen I. 2014. Age-related changes in subchondral bone density in the talus of healthy Labrador retrievers, European Association of Veterinary Diagnostic Imaging, EVDI Annual Conference, August 27, 2014 - August 30, 2014, Utrecht, The Netherlands. p 67.

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Dries B., Jonkers I., Van den Broeck W., Dingemanse W., Gielen I. 2015. Scaling muscle parameters in a canine musculoskeletal model. 25th Congress of the International Society of Biomechanics. ISB congress, July, 12- 16, 2015, Glasgow, UK. p 1802.

V. Martlé, S. Bhatti, D. O'Brien, I. Gielen, L. Van Ham. Paroxysmal dyskinesia in adult maltese dogs? 28th Annual Symposium of the ESVN-ECVN, 18-19 September 2015, Amsterdam, The Netherlands. P 62-63.

Bart J.G. Broeckx, Christophe Hitte, Frank Coopman, Geert E.C. Verhoeven, Sarah De Keulenaer, Ellen De Meester, Thomas Derrien, Jessica Alfoldi, Kerstin Lindblad-Toh, Tim Bosmans, Valérie Bavegems, Ingrid Gielen, Henri Van Bree, Bernadette Van Ryssen, Jimmy H. Saunders, Filip Van Nieuwerburgh, Dieter Deforce. 2015. Whole exome sequencing the dog. the 8th International Conference on Advances in Canine and Feline Genomics and Inherited Diseases 2015, in Cambridge, UK, van 22 – 26 June 2015. p. 78.

Bosseler L., Vlaminck L., Saey V., Saunders J., Gielen I., Ducatelle R., Chiers, K. Invasive recurrent transitional cell carcinoma of the ethmoid region in a horse. 33rd Annual meeting of the European Society of Veterinary Pathology (ESVP) ; 26th Annual meeting of the European College of Veterinary Pathology (ECVP) (ESVP/ECVP); Annual meeting ESVP-ECVP, September 2-5, 2015, Helsinki, Finland. Journal of comparative pathology. 2016, 154(1). p.89-89.

B. Dries, I. Jonkers, W. Van Den Broeck, W. Dingemanse, I. Gielen. 2016. What scaled canine muscle parameters can tell about their functional properties. International conference on canine and equine locomotion, ICEL 8, August 17th to 19th 2016, London, UK. Poster presentation? Journal of Small Animal Practice, 57, 2, p. 7.

W. Dingemanse, I. Jonkers, M. Müller-Gerbl, L. Bosmans, J. Vander Sloten, I. Gielen. 2016. Calculation of muscles forces in Labrador Retriever (*Canis familiaris*) hind legs during stance. International conference on canine and equine locomotion, ICEL 8, August 17th to 19th 2016, London, UK. Oral (Qualisis award) Journal of Small Animal Practice, 57, 2, p. 2.

E. Royaux, L. Van Ham, B. Broeckx, I. Van Soens, I. Gielen, D. Deforce, S. Bhatti. 2016. Phenobarbital or potassium bromide as an add-on anti-epileptic drug for the management of canine idiopathic epilepsy refractory to imepitoin. POSTER 29th Symposium of the European Society of Veterinary Neurology, Edinburgh, UK, 16th-17th September 2016. p. 37.

E. Royaux, I. Gielen, K. Kromhout, E. Van der Vekens, B.J.G. Broeckx, L. Van Ham, V. Martlé. 2016. Multislice computed tomography for the detection of compressive hydrated nucleus pulposus extrusion in dogs. POSTER 29th Symposium of the European Society of Veterinary Neurology, Edinburgh, UK, 16th-17th September 2016. p. 35.

- C. Crijns, H. Van Bree, B. Broeckx, I. Gielen. 2016.
Intravenous contrast: Equine Pituitary Gland. 6th CT-User Meeting, 2nd International Veterinary CT-User Meeting, Ghent University-DVG, 9-10 December 2016, Ghent, Belgium. p 89-90.
- C. Crijns, Y. Baeumlin, H.J. Bergman, I. Gielen. 2016.
Intravenous vs. intra-arterial contrast enhanced CT in the equine head. 6th CT-User Meeting, 2nd International Veterinary CT-User Meeting, Ghent University-DVG, 9-10 December 2016, Ghent, Belgium. p 92-93.
- E. Royaux , I. Gielen , K. Kromhout , E. Van der Vekens , J.G.B. Broeckx , L. Van Ham , V. Martle.
2016. Multislice computed tomography for the detection of compressive hydrated nucleus pulposus extrusion in dogs. 6th CT-User Meeting, 2nd International Veterinary CT-User Meeting, Ghent University-DVG, 9-10 December 2016, Ghent, Belgium. p 150-151.
- Y. Vali , A. Ch. Villamonte , B.J.G. Broeckx , J. Saunders , I. Gielen. 2016.
The effect of positioning on computed tomographic evaluation of the adrenal glands in healthy Beagle dogs. 6th CT-User Meeting, 2nd International Veterinary CT-User Meeting, Ghent University-DVG, 9-10 December 2016, Ghent, Belgium. p 152-153.
- W. Dingemanse W. 1, M. Müller-Gerbl 2, I. Jonkers 3, J. Vander Sloten, H. van Bree, I. Gielen. 2016. Correlation of subchondral bone density and mechanical strength in the canine talus
6th CT-User Meeting, 2nd International Veterinary CT-User Meeting, Ghent University-DVG, 9-10 December 2016, Ghent, Belgium. p 158. Beste poster prijs
- A. Villamonte Chevalier , H. van Bree ,B.J.G. Broeckx ,W. Dingemanse, I. Gielen. 2016.
Agreement between radiography and computed tomography for medial coronoid disease in the screening of 424 canine elbow joints
6th CT-User Meeting, 2nd International Veterinary CT-User Meeting, Ghent University-DVG, 9-10 December 2016, Ghent, Belgium. p 155.
- Elke Pollaris, MSc; Theo V.A.F. van Delft, MSc; Ingrid Gielen, MSc, PhD, DVM; Katrien Vanderperren, PhD, DVM, L. Tuerlinckx; Lieven Vlamincx. 2017. Case Report: Maxillary bone cyst in three horses: diagnosis and treatment using intralesional formalin injection. European Veterinary Conference, Voorjaarsdagen, 19-21 April 2017 Fokker Terminal, The Hague, The Netherlands.
- Broux B, Van Bergen T, Schauvliege S, Vali Y, Lefere L, Gielen I. 2017.
Successful Surgical Debridement of a Cerebral Streptococcus equi equi Abscess by Parietal Bone Flap Craniotomy of a 2-Month Old Warmblood Foal.
26th Annual Scientific Meeting of the European College of Veterinary Surgery, July 13-15, 2017, Edinburgh, UK, EICC. Veterinary Surgery, 2017, Volume 46, Issue 6, E9.
- van Loon G., Vandecasteele T. , Van Steenkiste G. , Gielen I. , Vanderperren K. , Cornillie P.,2017.
Ultrasonographic identification of atrial-related structures, validated by 3D CT-segmented imaging of equine casted hearts.
10th Annual European College of Equine Internal Medicine Congress
2-4 November 2017, Budapest, Hungary oral presentation

RESULTS IN THE DEVELOPMENT OF THE EDUCATIONAL AND SCIENTIFIC FIELD

1. Education on University Level

Institution	/Start and end date	Number of hours per week	Subject, course title	
Ghent University, Fac. of Veterinary Medicine, Department of Medical Imaging and Small Animal Orthopaedics	1996-present	daily base	Practical teaching, student education and coaching in small animal orthopaedics (till 2002) and in medical imaging during the clinical activities, 2nd and 3rd Master	
Ghent University, Fac. of Veterinary Medicine, Department of Medical Imaging and Small Animal Orthopaedics	<u>Theoretical classes:</u>			
	<u>1st Master:</u>			
	2001-2005	3h/y	- Computed tomografie (CT): technique and indications (1st Master)	
	2005-2009	3h/y	- CT and Magnetic Resonance Imaging (MRI): technique (1st Master)	
	2012	1,5 h	- Radiology: positioning (1st Master)	
	<u>2nd Master:</u>	2004-2006	3h/y	- Clinical examination of the orthopedic patient and imaging of the elbow (2nd Master)
	<u>3rd Master:</u>	2001-2004	3h/y	- Radioprotection in CT, CT : use and clinical applications, imaging in oncology, introduction in MRI (3rd Master, Small animals)
	2004-2010	6h/y	- Radioprotection in CT, CT : use and clinical applications in equine (3rd Master, Equine)	
	2007-2011	1,5h/y	- Radioprotection in CT, CT : use and clinical applications, imaging in oncology, (3rd Master, Small animals)	
	2011-present	7,5/y	- MRI: clinical applications (3rd Master, Small Animals)	
	2011-present	3h/y	- CT and MRI: use and clinical applications (3rd Master, Bovine)	
	2011-present	3h/y	- CT and MRI: use and clinical applications (3rd Master, Equine)	
		<u>Practical teaching:</u>		
1995-2001	6h/y	Radiology: technique and positioning (Master years)		
2004-2008	4h/y	Radio-anatomy (3rd Bachelor)		
2008-present	1,5 h/y	Clinical cases : demonstration (1st Master)		

<u>Residents</u>	2006-present	6h/w	Clinical training, case discussion in CT and MRI
Ghent University, Fac. of Veterinary Medicine	2004-present	1,5h/y	Basic Course laboratory animal science: Medical Imaging in laboratory animals
Ghent University, Fac. of Veterinary Medicine, Department of Comparative Physiology and Biometry	2005-present	2h/y	Practical teaching: Growth and imaging (2nd Bachelor)
Department of Biotechnological sciences, Landscape management and agriculture, Veterinary nurses/technicians, Hogeschool Gent, Campus Melle	2006-present	6h/y 1h/student/y 1h/student:y	<u>Theoretical class:</u> Medical Imaging and different techniques in the veterinary patient. (2nd Bachelor) <u>Practical teaching:</u> Radiographic technique Computer teaching on radiology

Ghent University, Fac. of Veterinary Medicine, Post-academic courses	1998-2012	3-9h/y	Post-academic courses and practical teaching for veterinarians in medical imaging, orthopedics, rhinoscopie, minimal invasive surgery
Brussels, Federal Agency for Nuclear Control (FANC)	2008-2009	2h/y	Post-academic course radioprotection at CT examinations
European School for Advanced Veterinary Studies (ESAVS)	2006 Brno, Czech Republic 2007 Brno, Czech Republic 2007 Giessen, Germany	5 days 5 days 5 days	Introduction material for Laparoscopy and Thoracoscopy Intensive Course "Endoscopy Introduction material for Laparoscopy and Thoracoscopy, Endoscopy Course
University of Bologna	Universita di Bologna, Bologna, Italy, 6-8 November 2009.	4 days	Medical Imaging of the canine shoulder. Imaging of the tarsus and carpus. Medical imaging of the elbow joint. Medical imaging of the hip and stifle joint. Percorso di Diagnostica per Immagini del cane e del gatto, 5° Corso Diagnostica per Immagini Integrata dell'apparato Muscoloscheletrico.
University of Oslo	September , 7 th 9 th 2005, University of Oslo, Oslo, Norway.	3 days	The use of CT in joints. Arthroscopy: introduction about materials CT applications in splanchnocranium diseases. CT in small animal spinal diseases. CT: When and how?

University of Oslo	Norwegian School for Veterinary Medicine, February 10 th 2006, University of Oslo, Oslo, Norway.	1 day	Om CT med beskrivelse av bruksområder, indikasjoner etc. CT: general principles, applications in small and large animal practice, common indications, using cases as examples.
Justus Liebig University, Giessen	Justus Liebig University, 2nd October 2006, Giessen, Germany.	1 day	Use of CT in Small Animals
University Lusofona, Lisbon	October 3rd, 2008. University Lusofona, Lisbon, Portugal.	1 day	Arthroscopy in the dog, different approaches and technique
University Lusofona, Lisbon	June 6-7 th , 2009. University Lusofona, Lisbon, Portugal.	2 days	Small Animal Arthroscopy , Basic course

2. Number of papers published

-A1: 147 (see above)

-A2: 11 (see above)

-A3: articles published in national journals that use peer review, not included in (a1) or (a2)

1. M. Risselada, J. Saunders, S. Bhatti, I. Gielen, L. Van Ham, H. van Bree. 2001.
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1. Kompendium Der Allgemeinen Veterinärchirurgie, 2004, Kramer (Hrsg.)
3. Bildgebende Verfahren, 3.3 Computertomographie (CT), I. Gielen und H. van Bree. Kramer M. (ed.), Schlütersche Verlag, Hannover, Deutschland, 110-118.
2. The shoulder joint and scapula. BSAVA Manual of Canine and Feline Musculoskeletal Imaging, 2006, Chapter 7, Henri van Bree and Ingrid Gielen. p 86-102. Edited by F.J. Barr and R.M. Kirberger.
3. Advances in the Canine Cranial Cruciate Ligament, Editor: Peter Muir, Wiley-Blackwell, 2010.
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4. Advances in the Canine Cranial Cruciate Ligament, Editor: Peter Muir, Wiley-Blackwell, 2010.
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5. Veterinary Computed Tomography, Editors: T. Schwarz and J. Saunders, Wiley-Blackwell, 2011.
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6. Veterinary Computed Tomography, Editors: T. Schwarz and J. Saunders, Wiley-Blackwell, 2011.
Chapter 38: Joints, Valerie Samii (stifle), Ingrid Gielen (shoulder, elbow, tarsus), Eberhard

Ludewig (carpus), William H. Adams (hip), Ingmar Kiefer (carpus), Henri van Bree (shoulder, elbow, tarsus) and Jimmy Saunders. p. 387-421.

7. BSAVA Manual of Canine and Feline Musculoskeletal Imaging. Edited by R.M. Kirberger and F. McEvoy, 2nd edition, 2016, Chapter 3, Basics is orthopaedic imaging. Ingrid Gielen. p. 28-32.
8. BSAVA Manual of Canine and Feline Musculoskeletal Imaging. Edited by R.M. Kirberger and F. McEvoy, 2nd edition, 2016, Chapter 12, The shoulder joint and scapula. Ingrid Gielen, A. Van Caelenberg and H.van Bree. p. 171-188.
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- books as editor

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ISSN 0417 - 4631

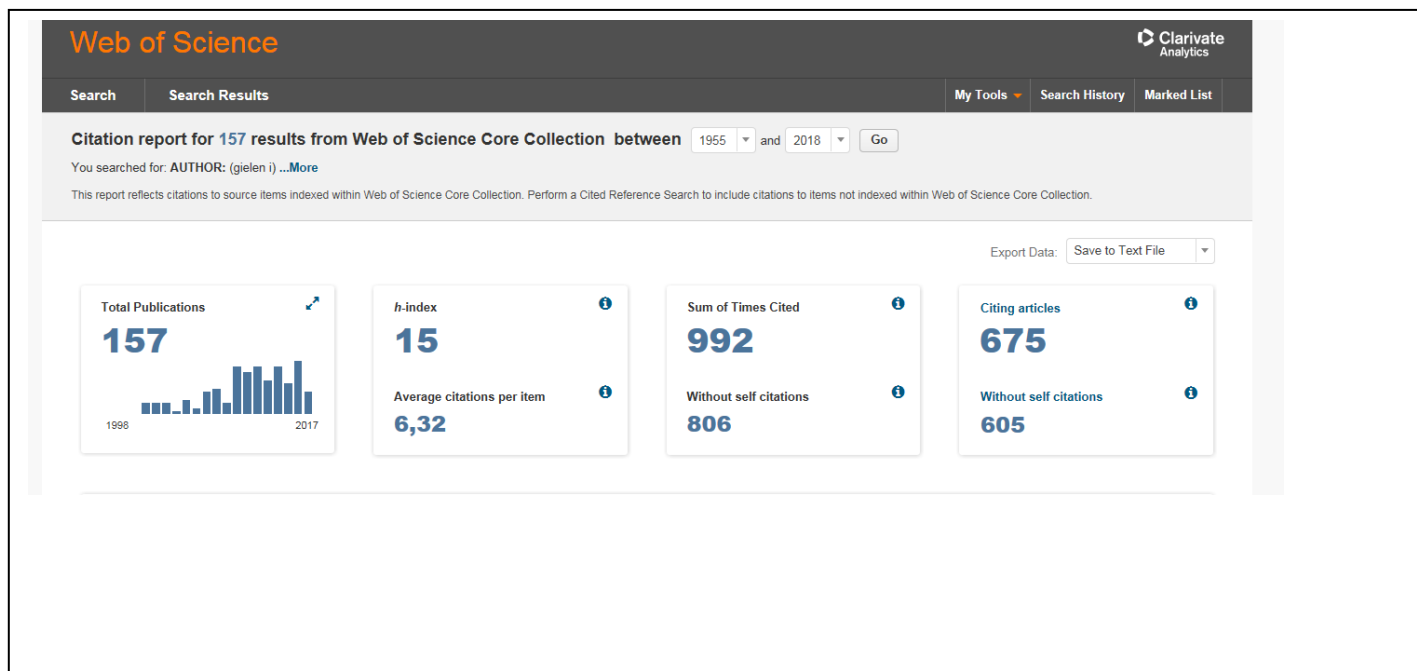
3. Number of presentations on international congresses

- Invited speaker: 51
- Presented by applicant: submitted paper/presentation: 12
- Poster presentation: 60

4. Obtained scientific research funding, scholarly subsidies and donations

- Research funding from Government Agency for Innovation by Science and Technology (IWT), IWT doctoral grant for Drs. W. Dingenmanse, 4 year project, (2 periods of 2 years), starting 2013.
Fee of the grant: 49000 euro for the first 2 year period and 51000 euro for the second period with a bench fee of 3718,44 euro/year.
Promoters: Dr. I. Gielen, Prof. Dr. I. Jonkers, Prof. Dr. M. Müller-Gerbl, Prof. Dr. H. van Bree.
- Research funding from the Special Research Fund (BOF): 3 year research project, 147.000 euro, starting 2013.
Promoters: Dr. I. Gielen, Prof. Dr. I. Jonkers, Prof. Dr. M.Müller-Gerbl, Prof. Dr. H. van Bree.

CITATION OF SCIENTIFIC RESULTS



INTERNATIONAL REPUTATION

GUEST EDITOR OF AN INTERNATIONAL JOURNAL

Co- Editor for the European Journal of Companion Animal Practice (EJCAP), The Federation of European Companion Animal Veterinary Associations (FECAVA) since 2006.

CHAired AT INTERNATIONAL SCIENTIFIC CONFERENCES

Session CT and MRI in small animals, August, 6th, 2008. 15th EAVDI (European Association of Veterinary Diagnostic Imaging) Annual Conference, Solvaer, Norway, August 5th-9th, 2008.

Session Small animal: Imaging the spine.

Safety & Image Quality, The Spine of Small Animals, The Carpus and Tarsus in the Horse, 5th MRI User Meeting, May 16-17, 2009, Bern, Switzerland.

Session CT and MRI in Small Animals, August 28th, 2012, 16th International Veterinary Radiology Association Meeting and European Veterinary Diagnostic Imaging Annual Meeting, 26th August-1st September, 2012, Bursa, Turkey.

Computer Tomography of the Central and Peripheral Nervous System, Nov. 30th-Dec. 1st, 2013. Faculty of Veterinary Medicine, Ghent University, Merelbeke, Belgium.

Small Animals: "Contrast Agents in Computed Tomography, 9-10 Dec. 2016. Faculty of Veterinary Medicine, Ghent University, Merelbeke, Belgium.

Session CT Nebennierenerkrankungen und Nebennierentherapie aus Sicht des Endokrinologen Chairman. 5th CT User Meeting, 25-26 Nov, 2017 Göttingen, Germany.

MEMBERSHIP IN EDITORIAL BOARDS OF INTERNATIONAL JOURNALS

Membership in Scientific Board of International meetings

- **International workshops:**

Co-founder, organiser and course secretary of 42 International Workshops for Small Animal Arthroscopy, basic, continuing, refresher, advanced and advanced update, discussion courses, 2 day courses, 1997-2018, Department of Medical Imaging of Animals, Faculty of Veterinary Medicine, Ghent University, Merelbeke, Belgium.

- **International conferences:**

Secretary and organising committee of the 11th Annual Conference EAVDI (European Association of Veterinary Diagnostic Imaging), 8-11th September 2004, Ghent, Belgium

Organising Committee of the 12th EAVDI (European Association of Veterinary Diagnostic Imaging) Annual Conference, Naples, Italy, 5-8 October 2005.

Co-founder and organiser 2nd European Veterinary MRI User Meeting, Locomotory system in small and large animals, May 5-6, 2006. Faculty of Veterinary Medicine, Ghent University, Merelbeke, Belgium.

Co-organiser 3rd European Veterinary MRI User Meeting, Gradient Echo Techniques & The Neurocranium, May 12-13, 2007. Vetsuisse Faculty, Bern University, Switzerland.

Organising Committee of the 13th EAVDI (European Association of Veterinary Diagnostic

Imaging) Annual Conference, Porto Carras, Greece, August 29-September 1, 2007.

Organiser 4th European Veterinary MRI User Meeting, Imaging of the splanchnocranium in horses and small animals and The use of contrast media in MRI, May 16-17, 2008. Faculty of Veterinary Medicine, Ghent University, Merelbeke, Belgium.

Organising Committee of the 15th EAVDI (European Association of Veterinary Diagnostic Imaging) Annual Conference, Solvaer, Norway, August 5th-9th, 2008.

Co-organiser 5th European Veterinary MRI User Meeting, Safety & Image Quality, The Spine of Small Animals, The Carpus and Tarsus in the Horse, May 16-17, 2009. Vetsuisse Faculty, Bern University, Switzerland.

Organiser 6th European Veterinary MRI User Meeting, Soft tissue imaging and thoracic imaging in small animals, New ideas in tendon imaging in horses, Inversion recovery sequences and fat-suppression sequences, May 7-8, 2010. Faculty of Veterinary Medicine, Ghent University, Merelbeke, Belgium.

Co-organiser 7th European Veterinary MRI User Meeting, Functional and interventional MRI, From the root to the target: peripheral nerves and neuromuscular diseases, May 16-17, 2011. Vetsuisse Faculty, Bern University, Switzerland.

Organiser 8th European Veterinary MRI User Meeting, The future of low-field MR? Clinical applications of ultra-high field MR, MR of the locomotor system: possibilities and new ideas, May 11-12, 2012. Faculty of Veterinary Medicine, Ghent University, Merelbeke, Belgium.

Co-organiser 9th European Veterinary MRI User Meeting, Technical notes: coils: technique and artefacts, Small animals: Differentiation of inflammatory, neoplastic and vascular brain disease– chances and limitations, Equine Head: Sinuses and Teeth- Is there room for MRI? May 4-5, 2013. Vetsuisse Faculty, Bern University, Switzerland.

Organiser 3rd CT User days, 1st International meeting, 3 parallel sessions: Small Animals: Computer Tomography of the Central and Peripheral Nervous System, Equine: The use of CT in head and limbs, Nurses and technicians: Technical aspects of the use of CT in animals, Nov. 30th -Dec. 1st, 2013. Faculty of Veterinary Medicine, Ghent University, Merelbeke, Belgium.

Co-organiser 10th European Veterinary MRI User Meeting, Contrast agents: side effects and developments. Imaging bleeding – haemorrhage – infarcts. Contrast in equine orthopaedics May 16-17, 2014, Ghent University, Merelbeke, Belgium.

Organiser 6th CT User days, 2nd International meeting, 3 parallel sessions: Small Animals: “Contrast Agents in Computed Tomography”; for Equine: “Contrast Agents in Computed Tomography” and for nurses and technicians “Technical aspects of the use of contrast agents in computed tomography”, 9-10 Dec. 2016. Faculty of Veterinary Medicine, Ghent University, Merelbeke, Belgium

Reviewer on regular basis in international journals :

Journal of Small Animal Practice, since 2003.

Labaratory Animals, since 2004.

European Journal of Companion Animal Practice, since 2006.

Veterinary Surgery, since 2006.

Veterinary Radiology & Ultrasound, since 2006.

Veterinary Record, since 2007.

Anatomia, Histologia, Embryologia, since 2009.

Veterinary and Comparative Orthopaedics and Traumatology (VCOT), since 2008.

AUTHOR OF AN INTERNATIONAL MONOGRAPH

- Review of the literature - Elbow incongruity in the dog. 65 CITATIONS
By: [Samoy, Y](#) (Samoy, Y); [Van Ryssen, B](#) (Van Ryssen, B); [Gielen, I](#) (Gielen, I); [Walschot, N](#) (Walschot, N); [van Bree, H](#) (van Bree, H)
VETERINARY AND COMPARATIVE ORTHOPAEDICS AND TRAUMATOLOGY
Volume: 19 Issue: 1 Pages: 1-8 Published: 2006
- Computed tomography of the elbow joint in clinically normal dogs 45 CITATIONS
By: [De Rycke, LM](#) (De Rycke, LM); [Gielen, IM](#) (Gielen, IM); [van Bree, H](#) (van Bree, H); [Simoens, PJ](#) (Simoens, PJ)
AMERICAN JOURNAL OF VETERINARY RESEARCH
Volume: 63 Issue: 10 Pages: 1400-1407 Published: OCT 2002
- Computed tomographic findings in 35 dogs with nasal aspergillosis 43 CITATIONS
By: [Saunders, JH](#) (Saunders, JH); [Zonderland, JL](#) (Zonderland, JL); [Clercx, C](#) (Clercx, C); [Gielen, I](#) (Gielen, I); [Snaps, FR](#) (Snaps, FR); [Sullivan, M](#) (Sullivan, M); [vanBree, H](#) (vanBree, H); [Dondelinger, RF](#) (Dondelinger, RF)
VETERINARY RADIOLOGY & ULTRASOUND
Volume: 43 Issue: 1 Pages: 5-9 DOI: 10.1111/j.1740-8261.2002.tb00434.x
Published: JAN-FEB 2002
- Diagnostic value of computed tomography in dogs with chronic nasal disease 37 CITATIONS
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VETERINARY RADIOLOGY & ULTRASOUND
Volume: 44 Issue: 4 Pages: 409-413 DOI: 10.1111/j.1740-8261.2003.tb00477.x
Published: JUL-AUG 2003
- Elbow lameness in dogs of six years and older Arthroscopic and imaging findings of medial coronoid disease in 51 dogs 34 CITATIONS
By: [Vermote, KAG](#) (Vermote, K. A. G.)^[1]; [Bergenhuyzen, ALR](#) (Bergenhuyzen, A. L. R.)^[1]; [Gielen, I](#) (Gielen, I.)^[1]; [van Bree, H](#) (van Bree, H.)^[1]; [Duchateau, L](#) (Duchateau, L.)^[2]; [Van Ryssen, B](#) (Van Ryssen, B.)^[1]
VETERINARY AND COMPARATIVE ORTHOPAEDICS AND TRAUMATOLOGY
Volume: 23 Issue: 1 Pages: 43-50 DOI: 10.3415/VCOT-09-03-0032 Published: 2010
- Regional brain perfusion in 10 normal dogs measured using technetium-99m ethyl cysteinat dimer SPECT 27 CITATIONS
By: [Peremans, K](#) (Peremans, K); [De Bondt, P](#) (De Bondt, P); [Audenaert, K](#) (Audenaert, K); [Van Laere, K](#) (Van Laere, K); [Gielen, I](#) (Gielen, I); [Koole, M](#) (Koole, M); [Versijpt, J](#) (Versijpt, J); [Van Bree, H](#) (Van Bree, H); [Verschooten, F](#) (Verschooten, F); [Dierckx, R](#) (Dierckx, R)
VETERINARY RADIOLOGY & ULTRASOUND
Volume: 42 Issue: 6 Pages: 562-568 DOI: 10.1111/j.1740-8261.2001.tb00987.x
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- The effect of citalopram hydrobromide on 5-HT_{2A} receptors in the impulsive-aggressive dog, as measured with I-123-5-I-R91150 SPECT 25 CITATIONS
By: [Peremans, K](#) (Peremans, K); [Audenaert, K](#) (Audenaert, K); [Hoybergs, Y](#) (Hoybergs, Y); [Otte, A](#) (Otte, A); [Goethals, I](#) (Goethals, I); [Gielen, I](#) (Gielen, I); [Blankaert, P](#) (Blankaert, P); [Vervaeet, M](#) (Vervaeet, M); [van Heeringen, C](#) (van Heeringen, C); [Dierckx, R](#) (Dierckx, R)
EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING
Volume: 32 Issue: 6 Pages: 708-716 DOI: 10.1007/s00259-005-1772-5
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- Radiographic, computed tomographic and arthroscopic findings in 23 dogs with osteochondrosis of the tarsocrural joint 25 CITATIONS
By: [Gielen, I](#) (Gielen, I); [van Bree, H](#) (van Bree, H); [Van Ryssen, B](#) (Van Ryssen, B); [De Clercq, T](#) (De Clercq, T); [De Rooster, H](#) (De Rooster, H)
VETERINARY RECORD Volume: 150 Issue: 14 Pages: 442-+
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- Magnetic resonance imaging, computed tomography, and cross-sectional views of the anatomy of normal nasal cavities and paranasal sinuses in mesaticephalic dogs 22 CITATIONS
 By: [De Rycke, LM](#) (De Rycke, LM); [Saunders, JH](#) (Saunders, JH); [Gielen, IM](#) (Gielen, IM); [van Bree, HJ](#) (van Bree, HJ); [Simoens, PJ](#) (Simoens, PJ)
 AMERICAN JOURNAL OF VETERINARY RESEARCH
 Volume: 64 Issue: 9 Pages: 1093-1098 Published: SEP 2003
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 By: [de Bakker, E](#) (de Bakker, E.)^[1]; [Samoy, Y](#) (Samoy, Y.)^[1]; [Gielen, I](#) (Gielen, I.)^[1]
[Van Ryssen, B](#) (Van Ryssen, B.)^[1]
 VETERINARY AND COMPARATIVE ORTHOPAEDICS AND TRAUMATOLOGY
 Volume: 24 Issue: 1 Pages: 9-17 DOI: 10.3415/VCOT-10-04-0052 Published: 2011
- [Low-field magnetic resonance imaging findings of the caudal portion of the cervical region in clinically normal Doberman Pinschers and Foxhounds](#) 20 CITATIONS
 By: De Decker, Steven; Gielen, Ingrid M. V. L.; Duchateau, Luc; et al.
[AMERICAN JOURNAL OF VETERINARY RESEARCH](#), Volume: 71
 Issue: 4 Pages: 428-434 Published: APR 2010
- [Anatomic Study of the Canine Stifle Using Low-Field Magnetic Resonance Imaging \(MRI\) and MRI Arthrography](#) 19 CITATIONS
 By: Pujol, Esteban; Van Bree, Henri; Cauzinille, Laurent; et al.
[VETERINARY SURGERY](#)
 Volume: 40 Issue: 4 Pages: 395-401 Published: JUN 2011
- [Arthroscopic Findings in 32 Joints Affected by Severe Elbow Incongruity with Concomitant Fragmented Medial Coronoid Process](#) 17 CITATIONS
 By: Samoy, Yves; Van Vynckt, Delphine; Gielen, Ingrid; et al.
[VETERINARY SURGERY](#)
 Volume: 41 Issue: 3 Pages: 355-361 Published: APR 2012
- [Evolution of clinical signs and predictors of outcome after conservative medical treatment for disk-associated cervical spondylomyelopathy in dogs](#) 16 CITATIONS
 By: De Decker, Steven; Gielen, Ingrid M. V. L.; Duchateau, Luc; et al.
[JAVMA-JOURNAL OF THE AMERICAN VETERINARY MEDICAL ASSOCIATION](#)
 Volume: 240 Issue: 7 Pages: 848-857 Published: APR 1 2012
- [Computed tomography of the tarsal joint in clinically normal dogs](#) 16 CITATIONS
 By: Gielen, IM; De Rycke, LM; van Bree, HJ; et al.
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 Volume: 62 Issue: 12 Pages: 1911-1915 Published: DEC 2001
- [Morphometric dimensions of the caudal cervical vertebral column in clinically normal Doberman Pinschers, English Foxhounds and Doberman Pinschers with clinical signs of disk-associated cervical spondylomyelopathy](#) 15 CITATIONS
 By: De Decker, Steven; Gielen, Ingrid M. V. L.; Duchateau, Luc; et al.
[VETERINARY JOURNAL](#)
 Volume: 191 Issue: 1 Pages: 52-57 Published: JAN 2012
- [Agreement and Repeatability of Linear Vertebral Body and Canal Measurements Using Computed Tomography \(CT\) and Low Field Magnetic Resonance Imaging \(MRI\)](#) 14 CITATIONS
 By: De Decker, Steven; Gielen, Ingrid M. V. L.; Duchateau, Luc; et al.
 Volume: 39 Issue: 1 Pages: 28-34 Published: JAN 2010
- [REGIONAL BRAIN PERFUSION IN EPILEPTIC DOGS EVALUATED BY TECHNETIUM-99m-ETHYL CYSTEINATE DIMER SPECT](#) 15 CITATIONS
 By: Martle, Valentine; Peremans, Kathelijne; Audenaert, Kurt; et al.
 Conference: 21st Annual Symposium of the European-Society-of-Veterinary-Neurology Location: Rhodes, GREECE
 Date: SEP 25-27, 2008
 Sponsor(s): European Soc Vet Neurol
[VETERINARY RADIOLOGY & ULTRASOUND](#)
 Volume: 50 Issue: 6 Pages: 655-659 Published: NOV-DEC 2009

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REMARKS

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Correlative CT, MRI, and cross-sectional anatomy of the normal rabbit head with clinical application towards dental pathology.

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Promoter/co-promoter:

Michaela Gumpenberger
Comparitive imaging in exotic animals.
Promotor: Dr. I. Gielen, co-promotor: Prof. Dr. H. van Bree

Billy Dries
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dr Mirjana Lazarević Macanović, Radiologic, ultrasund and endoscopic diagnostics, Fakultet veterinarske medicine, Univerzitet u Belgradu;
dr Ingrid Gielen, Department of medical imaging and veterinary orthopedics, Faculty of veterinary medicine, Ghent University, Belgium

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