

## CURRICULUM VITAE

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### Titres :

- **Doctorat d'Etat en Médecine(MD)** à Dijon, Université de Bourgogne.
- **Diplôme d'Etudes Spécialisées (DES)** de Radiodiagnostic et Imagerie médicale à Dijon, Université de Bourgogne.
- **Maîtrise de Sciences Biologiques et Médicales (MSBM)**, Dijon
  - **C2** de Virologie générale et systématique; **C2** de Biophysique des radiations et Imagerie ; **DPRBM** (Diplôme Préparatoire à la Recherche BioMédicale): Anatomie et Morphogenèse.
- **Diplôme Universitaire Européen d'Imagerie Médicale par Résonance Magnétique**, Université de Bourgogne.
- **Diplôme InterUniversitaire d'Enseignement Supérieur en Neuroradiologie**, Université de Bourgogne.
- **Diplôme Universitaire d'Imagerie d'Urgence** Paris VII.
- **DEA Instrumentation et Informatique de l'Image** (DEA 3i)-**Master's degree** Dijon, Université de Bourgogne.
- **Thèse d'Université(PhD)** à Dijon, Université de Bourgogne.
- **Habilitation à Diriger les Recherches (HDR) en Médecine** à Dijon, Université de Bourgogne.

### Fonctions :

Professeur des Universités – Praticien Hospitalier (CHU-Brest).

### **Membre Sociétés Savantes :**

*Société Française de Radiologie (SFR) ; Société Française de Neuroradiologie (SFNR) ; European Society of Radiology (ESR) ; Collège des Enseignants de Radiologie de France (CERF) ; International Society of Forensic Radiology and Imaging (ISFRI)*

### **Mandats électifs, autres activités scientifiques :**

- Coordonnateur Adjoint du Pôle d'Imagerie (CHU de Dijon): 2006-11
- Membre du Conseil de l'UFR de Médecine de Dijon (collège B):  
2008-10
- Membre du Conseil Documentaire de l'Université de Bretagne Occidentale(UBO) depuis Novembre 2016
- Membre de la direction opérationnelle du Centre Régional Breton d'Expertise en Neuroradiologie (**CREBEN**), Rennes-Brest.
  
- Membre du **Comité Scientifique** de la Société Française Neurovasculaire (**SFNV**)
  
- Membre du **Comité d'Ethique** (CPP Ouest 5): de Juillet 2012 à Juin 2015.
- Membre du Groupe de Recherche en Autopsie Virtuelle et Imagerie Thanatologique (**GRAVIT**)
  
- Membre du **Comité Editorial** du "*Journal of Forensic Radiology and Imaging*" et de "*Heliyon*" (Elsevier)
  
- Rédacteur en Chef** du "*Journal of Neuroradiology*" (Elsevier)

## Principales publications :

<https://orcid.org/0000-0001-5532-2208>

Ognard J, Mesrar J, Benhoumich Y, Misery L, Burdin V, **Ben Salem D**. Edge detector-based automatic segmentation of the skin layers and application to moisturization in high-resolution 3 Tesla magnetic resonance imaging. *Skin Res Technol*. 2019 Jan 18. doi: 10.1111/srt.12654.

**Ben Salem D**. History and evolution of the Journal of Neuroradiology. *J Neuroradiol* 2019 ;46(1) :1. doi: 10.1016/j.neurad.2018.12.002

Guibourg B, Hmandi O, Abid S, Bouvet R, **Ben Salem D**. L'expertise en radiologie. *Journal d'imagerie diagnostique et interventionnelle*. 2019 Jan 11. doi: 10.1016/j.jidi.2018.10.005

-Diallo I, Auffret M, Deloire L, Saccardy C, Aho S, **Ben Salem D**. Is dual-energy computed tomography helpful to determinate the ferromagnetic property of bullets? *Journal of Forensic Radiology and Imaging*. 2018;15:21-25. <https://doi.org/10.1016/j.jofri.2018.10.001>.

-Pons C, Borotikar B, Garetier M, Burdin V, **Ben Salem D**, Lempereur M, Brochard S. Quantifying skeletal muscle volume and shape in humans using MRI: A systematic review of validity and reliability. *PLoS One*. 2018;13(11):e0207847. doi:10.1371/journal.pone.0207847.

Deloire L, Diallo I, Cadieu R, Auffret M, Alavi Z, Ognard J, **Ben Salem D**. Postmortem X-Ray computed tomography (PMCT) identification using ante-mortem CT scan of the sphenoid sinus. *J Neuroradiol*. 2018

-Zaouche R, Belaid A, Aloui S, Solaiman B, Lecornu L, **Ben Salem D**, Tliba S. Semi-automatic Method for Low-Grade Gliomas Segmentation in Magnetic Resonance Imaging. *Innovation and Research in BioMedical engineering. IRBM*, 2018; 39(2):116-128. <https://doi.org/10.1016/j.irbm.2018.01.004>.

-Saliou V, **Ben Salem D**, Ognard J, Guellec D, Marcorelles P, Rouhart F, Zagnoli F, Timsit S. A Collet-Sicard syndrome due to internal carotid artery dissection associated with cerebral amyloid angiopathy-related inflammation. *SAGE Open Med Case Rep*. 2018 May 21;6:2050313X18777176. doi: 10.1177/2050313X18777176.

- Prodhomme H, Ognard J, Robin P, Alavi Z, Salaun PY, **Ben Salem D**. Imaging and identification of brown adipose tissue on CT scan. *Clin Physiol Funct Imaging*. 2018 Mar;38(2):186-191. doi: 10.1111/cpf.12373.

- Mesrar J, Meliani A, Bah OA, Mansourati J, **Ben Salem D**. [Cardiac implantable electronic device and MRI contraindications: Items not to miss on the chest x-ray]. *Presse Med*. 2018 Apr;47(4 Pt 1):411-412. doi: 10.1016/j.lpm.2018.01.021.
- Ognard J, Magro E, Caroff J, **Ben Salem D**, Andouard S, Nonent M, Gentric JC. A new time-resolved 3D angiographic technique (4D DSA): Description, and assessment of its reliability in Spetzler-Martin grading of cerebral arteriovenous malformations. *J Neuroradiol*. 2017 Dec 20. pii: S0150-9861(17)30248-1. doi:10.1016/j.neurad.2017.11.004.
- Borotikar B, Lempereur M, Lelievre M, Burdin V, **Ben Salem D**, Brochard S. Dynamic MRI to quantify musculoskeletal motion: A systematic review of concurrent validity and reliability, and perspectives for evaluation of musculoskeletal disorders. *PLoS One*. 2017 Dec 12;12(12):e0189587. doi: 10.1371/journal.pone.0189587.
- Arribart M, Ognard J, Tavernier C, Richaudeau Y, Guintard C, Dabin W, **Ben Salem D**, Jung JL. Comparative anatomical study of sound production and reception systems in the common dolphin (*Delphinus delphis*) and the harbour porpoise (*Phocoena phocoena*) heads. *Anat Histol Embryol*. 2018 Feb;47(1):3-10. doi:10.1111/ahe.12305. Epub 2017 Oct 19..
- Jung JL, Simon G, Alfonsi E, Thoraval D, Kervarec N, **Ben Salem D**, Hassani S, Domergue F. Qualitative and quantitative study of the highly specialized lipid tissues of cetaceans using HR-MAS NMR and classical GC. *PLoS One*. 2017 Jul 5;12(7):e0180597. doi: 10.1371/journal.pone.0180597.
- Nasr B, Le Ven F, Savean J, **Ben Salem D**, Nonent M, Gouny P, Visvikis D, Fayad H. Characterization of the Physiological Displacement of the Aortic Arch Using Non-Rigid Registration and MR Imaging. *Eur J Vasc Endovasc Surg*. 2017 Feb;53(2):282-289.doi:10.1016/j.ejvs.2016.11.019.
- Arribart M, Ognard J, Guintard C, Domergue F, Hassani S, **Ben Salem D**, Jung JL. Magnetic Resonance Imaging Study of Adipose Tissues in the Head of a Common Dolphin (*Delphinus delphis*): Structure Identification and Influence of a Freezing-Thawing Cycle. *Anat Histol Embryol*. 2017 Apr;46(2):204-212. doi: 10.1111/ahe.12258. doi: 10.1111/ahe.12258.
- Bailly P, Bazire A, Prat G, **Ben Salem D**. Crossed cerebellar diaschisis in status epilepticus. *Presse Med*. 2017 Jan;46(1):117-118. . doi:10.1016/j.lpm.2016.06.034.
- Mesrar J, Ognard J, Garetier M, Chechin D, Misery L, **Ben Salem D**. In vivo skin moisturizing measurement by high-resolution 3 Tesla magnetic

resonance imaging. *Skin Res Technol*. 2016 Oct 27. doi: 10.1111/srt.12333.

- **Ben Salem D**, Ognard J, Guiu B. Residual or Retained Gadolinium. *Radiology*. 2016 Nov;281(2):650-651.

-Cadieu R, Perron M, Le Ven F, Kerdraon S, Boutet C, Mansourati J, **Ben Salem D**. Central nervous system MRI and cardiac implantable electronic devices. *J Neuroradiol*. 2017 Feb;44(1):1-9.doi: 10.1016/j.neurad.2016.09.004.

-Garetier M, Deloire L, Dédouit F, Dumoussat E, Saccardy C, **Ben Salem D**. Postmortem computed tomography findings in suicide victims. *Diagn Interv Imaging*. 2017 Feb;98(2):101-112.doi: 10.1016/j.diii.2016.06.023.

-Bailly P, Bazire A, Prat G, **Ben Salem D**. Crossed cerebellar diaschisis in status epilepticus. *Presse Med*. 2016 Nov 3. pii: S0755-4982(16)30308-6. doi:10.1016/j.lpm.2016.06.034.

-Saliou V, Timsit S, **Ben Salem D**. Quelle imagerie à la phase aiguë de l'accident vasculaire cérébral ischémique antérieur à l'heure du traitement endovasculaire ? *Pratique Neurologique - FMC* 7(2) · Avril 2016. DOI: 10.1016/j.praneu.2016.01.022

-Trodi NI, Jomaah N, Koch G, Alavi Z, Aho S, **Ben Salem D**. Estimating the skeletal age from two and three-dimensional computed tomography reconstructions of the pubic symphysis and the fourth rib, *La Revue de Médecine Légale*.2016 Dec;7 (4): 144-152. <http://dx.doi.org/10.1016/j.medleg.2016.09.001>.

- Boutet C, Mansourati J, **Ben Salem D**. How to manage central nervous system MRI with a cardiac implantable electronic device? *J Neuroradiol*. 2016 Oct;43(5):307-8. doi: 10.1016/j.neurad.2016.07.001.

- Diallo I, Auffret M, Attar L, Bouvard E, Rousset J, **Ben Salem D**. Magnetic Field Interactions of Military and Law Enforcement Bullets at 1.5 and 3 Tesla. *Mil Med*. 2016 Jul;181(7):710-3.

- Auffret M, Garetier M, Diallo I, Aho S, **Ben Salem D**. Contribution of the computed tomography of the anatomical aspects of the sphenoid sinuses to forensic identification. *J Neuroradiol*. 2016 Dec;43(6):404-414. doi: 10.1016/j.neurad.2016.03.007.

- Montelescaut E, Bailly P, Le Calloch R, Thill C, Aries P, **Ben Salem D**. [An uncommon cause of subarachnoid hemorrhage]. *Presse Med*. 2016 Apr;45(4 Pt1):470-3.

- Abed Rabbo F, Simon A, **Ben Salem D**, Seizeur R. Oculomotor Nerve Palsy Complicates Third Ventricle Colloid Cyst Endoscopic Removal: Case Report. *World Neurosurg*. 2016 Jun;90:700.e13-7.

- Charef S, Leblanc A, Guibourg B, Quintin-Roue I, **Ben Salem D**, Zagnoli F. [A subacute dementia: Inflammatory cerebral amyloid angiopathy]. *Rev Neurol (Paris)*. 2015 Dec;171(12):832-40.

-Bailly P, Noury JB, Timsit S, **Ben Salem D**. Teaching NeuroImages: Ornithine transcarbamylase deficiency revealed by a coma in a pregnant woman. *Neurology*. 2015 Nov 17;85(20):e146-7.

-Saliou V, Bailly P, Thomas E, Carvajal-Alegria G, **Ben Salem D**, Timsit S.[Cauda equina syndrome after Neisseria meningitidis type C meningitis]. *Presse Med*. 2015 May;44(5):567-9.

-Ognard J, Burdin V, Ragoubi Hor R, Stindel E, Perez B, **Ben Salem D**. "Bones in Silenz": A new T1-weighted SILENZ sequence evaluating the bone in MRI. *Diagn Interv Imaging*. 2015 Sep;96(9):973-5.

- Garetier M, Rousset J, Pearson E, Tissot V, Gentric JC, Nowak E, Ferre JC, Timsit S, **Ben Salem D**. Value of spontaneous hyperdensity of cerebral venous thrombosis on helical CT. *Acta Radiol*. 2014;55:1245-52.

-Genu A, Koch G, Colin D, Aho S, Pearson E, **Ben Salem D**. Factors influencing the occurrence of a T2-STIR hypersignal in the lumbosacral adipose tissue. *Diagn Interv Imaging*. 2014;95:283-8.

-Suply B, Guinier D, Boizet A, Ognard J, **Ben salem D**. Bullet hole or not bullet hole? *La Revue de Médecine Légale* 2014;5(3):132-134.  
<http://dx.doi.org/10.1016/j.medleg.2014.07.002>.

-Walha K, Ricolfi F, Béjot Y, Nonent M, **Ben Salem D**. Hippocampus: A "Forgotten" Border Zone of Brain Ischemia. *J Neuroimaging*. 2013;23:98-101.

-Régis-Arnaud A, Guiu B, Walker PM, Krausé D, Ricolfi F, **Ben Salem D**. Bone marrow fat quantification of osteoporotic vertebral compression fractures:comparison of multi-voxel proton MR spectroscopy and chemical-shift gradient-echo MR imaging. *Acta Radiol*. 2011;52:1032-6.

-Nonent M, **Ben Salem D**, Serfaty JM, Buthion V, Pasco-Papon A, Rotaru C *et al*. Overestimation of moderate carotid stenosis assessed by both Doppler US and contrast enhanced 3D-MR angiography in the CARMEDAS study. *J Neuroradiol*. 2011;38:148-55.

-Guiu B, Petit JM, Loffroy R, Aho S, **Ben Salem D**, Masson D, *et al*. Liver methylene fraction by dual- and triple-echo gradient-echo imaging at 3.0T: Correlation with proton MR spectroscopy and estimation of robustness after SPIO administration. *J*

*Magn Reson Imaging*. 2011;33:119-27.

-Créange G, Parfait S, Liegard M, Maingon P, **Ben Salem D**, Cochet A, *et al*. Tumor volume and metabolism of prostate cancer determined by proton magnetic resonance spectroscopic imaging at 3T without endorectal coil reveal potential clinical implications in the context of radiation oncology. *Int J Radiat Oncol Biol Phys*. 2011;80:1087-94.

-Marom T, Russo E, **Ben Salem D**, Roth Y. Nasopharyngeal cysts. *Int J Pediatr Otorhinolaryngol*.2009;73:1063-70.

-Béjot Y, **Ben Salem D**, Osseby GV, Couvreur G, Durier J, Marie C *et al*. Epidemiology of ischemic stroke from atrial fibrillation in Dijon, France, from 1985 to 2006. *Neurology*. 2009;72:346-53.

-Guiu B, Petit JM, Loffroy R, **Ben Salem D**, Aho S, Masson D *et al*. Quantification of liver fat content: comparison of triple-echo chemical shift gradient-echo imaging and in vivo proton MR spectroscopy. *Radiology*. 2009;250:95-102.

-**Ben Salem D**, Walker PM, Bejot Y, Aho SL, Tavernier B, Rouaud O *et al*. N-acetylaspartate/creatine and choline/creatine ratios in the thalami, insular cortex and white matter as markers of hypertension and cognitive impairment in the elderly. *Hypertens Res*. 2008;31:1851-7.

-**Ben Salem D**, Walker PM, Aho S, Tavernier B *et al*. Brain flexibility and balance and gait performances mark morphological and metabolic abnormalities in the elderly. *J Clin Neurosci*. 2008;15:1360-5.

-Bejot Y, Caillier M, **Ben Salem D**, Couvreur G, Rouaud O, Osseby Gv *et al*. Ischaemic stroke subtypes and associated risk factors: a French population based study. *J Neurol Neurosurg Psychiatry*. 2008;79:1344-8.

-Guiu B, Loffroy R, **Ben Salem D**, Cercueil JP, Aho S *et al*. Angioplasty of long venous stenoses in hemodialysis access: at last an indication for cutting balloon? *J Vasc Interv Radiol*. 2007;18:994-1000.

-Walker PM, **Ben Salem D**, Giroud M, Brunotte F. Is NAA reduction in normal contralateral cerebral tissue in stroke patients dependent on underlying risk factors? *J Neurol Neurosurg Psychiatry*. 2006;77:596-600.

-**Ben Salem D**, Duvillard C, Assous D, Ballester M, Krausé D, Ricolfi F. Imaging of nasopharyngeal cysts and bursae. *Eur Radiol*. 2006;16:2249-58.

-Walker PM, **Ben Salem D**, Lalande A, Giroud M, Brunotte F. Time course of NAA T2 and ADC(w) in ischaemic stroke patients: 1H MRS imaging and diffusion-weighted MRI. *J Neurol Sci*. 2004;220:23-8.

-**Ben Salem D**, Cercueil JP, Ricolfi F, Krausé D. Case 75: erythropoietic hemochromatosis. *Radiology*. 2004;233:116-9.

### **Chapitres de livres**

\***Diagnostic des ostéocondensations et des hyperostoses crâniennes.**, Julien OGNARD, Céline BARBEROT, Marc GARETIER, Francis ABED RABBO, **Douraid BEN SALEM**. Encyclopédie Médico-Chirurgicale(EMC), ELSEVIER, Paris, France, 31\_646\_A\_10 2016. DOI: 10.1016/S1879-8551(15)63846-5

\***Prise en charge des accidents vasculaires cérébraux en urgence.** Yannick BEJOT, Alice CHANTEGRET, Douraid BEN SALEM, Guy-Victor OSSEBY, Maurice GIROUD, Marc FREYSZ, Encyclopédie Médico-Chirurgicale(EMC), ELSEVIER, Paris , 25-110-B-30, 2010.

\***Diagnostic des lacunes de la voûte du crâne.**, Douraid BEN SALEM, Mahjoubia BOUTARBOUCH, Yannick BÉJOT, Alexandre COCHET, Anne RÉGIS, Frédéric RICOLFI, Encyclopédie Médico-Chirurgicale(EMC), ELSEVIER, Paris, France, 31\_645\_A10 2009.

\***Les anomalies vasculaires chroniques du sportif.**", Jean Michel LERAIS, Romaric LOFFROY, Douraid BEN SALEM, Stéphanie SCHIFFANO, Jérémy MAZAUD, Jean-pierre CERCUEIL, Denis KRAUSE, Imagerie des pathologies professionnelles. Les Annales du CEPUR; sous la coordination de MG Dupuis, P Peetrons., Sauramps Médical, Montpellier, France, pp. 81-100, Juin 2005.

\***Céphalées aiguës**", Agnès FROMENT, Douraid BEN SALEM, Thibaut MOREAU, Frédéric RICOLFI, Maurice GIROUD, Encyclopédie Médico-Chirurgicale(EMC) Médecine 2, ELSEVIER, Paris, France, pp. 66-81, 2005.

\***IRM des Ventricules Cardiaques: Guide Pratique**, Jean-Eric WOLF, François BRUNOTTE, Douraid BEN SALEM, Caroline BONNET, Yves COTTIN, Jean Christophe EICHER, Alain LALANDE, Gabriel LAURENT, Annie PETIT, Kathy REZAIZADEH-BOURDARIAT, Nicolas SALVÉ, Paul WALKER, Lipha Santé, Lyon, France, pp. 1-131, 2001.

### **Conférences Internationales**

- **Real-time MRI of *in vivo* finger joint movement using a balanced Fast Field Echo sequence: A feasibility study.** Marc GARETIER, Bhushan BOROTIKAR, Karim MAKKI, Sylvain BROCHARD, Francois ROUSSEAU, **Douraid BEN SALEM**. . 8th World Congress of Biomechanics, 2018 Dublin, Ireland



**-High-Resolution MR Image Reconstruction for Ankle Joint Motion Analysis****High-Resolution MR Image Reconstruction for Ankle Joint Motion Analysis.** Karim MAKKI, Bhushan BOROTIKAR, Marc GARETIER, Sylvain BROCHARD, **Douraied BEN SALEM**, Francois ROUSSEAU. 8th World Congress of Biomechanics, 2018 Dublin, Ireland

**-Quantitative and Qualitative Optimisation of Dosimetry in Computed Tomography Explorations of the Temporal Bone using Two Iterative Reconstruction Algorithms.** Olivier LEGEAS, David BOURHIS, Julien OGNARD, Marc GARETIER, Adèle PENNANEACH, Philippe MERIOT, **Douraied BEN SALEM**. RSNA 102nd Scientific Assembly and Annual Meeting, RSNA 2016, Chicago, IL, USA.

**-Segmentation of low-grade gliomas in MRI: Phase based method.** R. ZAOUCHE, A BELAID, S ALOUI, B SOLAIMAN, A BOUNCEUR, **Douraied BEN SALEM**, S. TLIBA. 2nd International Conference on Advanced Technologies for Signal and Image Processing (ATSIP)2016. doi: 10.1109/ATSIP.2016.7523061

**-Military/law enforcement bullets and MRI: magnetic field interactions at 1.5- and 3-Tesla.** Idris DIALLO, Mathieu AUFRET, Lakdar ATTAR, Elise BOUVARD, Jean ROUSSET, **Douraied BEN SALEM**. Radiological Society of North America (RSNA). 100th Scientific Assembly and Annual Meeting: RSNA 2014, Chicago, IL, USA, 2014.

**-CT compared anatomy of ear and MRI analysis of cerebral earing pathways in the harbor porpoise.** Julien OGNARD, Eric ALFONSI, Jean-Luc LUNG, Sami HASSANI, Philippe MERIOT, **Douraied BEN SALEM**. 28<sup>th</sup> Conference of the european Cetacean Society, Liège, Belgium, 2014.

**-Contribution of the Computed Tomography of the Anatomical Aspects of the Sphenoid Sinuses, to Forensic Identification.** Idris DIALLO, Mathieu AUFRET, Marc GARETIER, Mathilde FREROT, Claire SACCARDY, **Douraied BEN SALEM** . Radiological Society of North America (RSNA). 99th Scientific Assembly and Annual Meeting: RSNA 2013, Chicago, IL, USA, 2013.

**-Numbering of Lumbosacral Transitional Vertebrae on CT Scan: Interest of the Iliolumbar Ligament.** Serge MARTELLACCI; Francois COTTON; Serge LUDWIG AHO-GLÉLÉ; Guillaume KOCH; **Douraied BEN SALEM**. Radiological Society of North America (RSNA). 97th Scientific Assembly and Annual Meeting, RSNA 2011, Chicago, Illinois-USA, 2011.

**-Pediatric Nasopharyngeal Cysts - Differential Diagnosis and**

**Management.** Tal MAROM, Eyal RUSSO, Douraied BEN SALEM, Yehudah ROTH, 10th International Congress of the European Society of Pediatric Otorhinolaryngology (ESPO), Pamplona, Spain, 2010

**-An MR study of osteoporotic compression fractures: Correlation between proton MR spectroscopy, in-phase/opposed-phase imaging and perfusion indices at 3 tesla.** Anne RÉGIS, Douraied BEN SALEM, Nor-Islam TRODI, Frédéric RICOLFI, Denis KRAUSE, Paul WALKER, European Congress of Radiology (ECR), Vienna, Austria, 2009.

**-Skeletal age estimations methods for adults and children: The state of the art.** Douraied BEN SALEM, Nor-Islam TRODI, Noémie BUTORI, Irène FRANÇOIS-PURSSELL, Denis KRAUSE, Frédéric RICOLFI, 25th International Congress of Radiology., Marrakesh, Morocco, 2008.

**-Relationship between human prostate cancer ADC measurements and 3D-MRSI at 3T without endorectal coils.** Paul WALKER, Sébastien PARFAIT, Douraied BEN SALEM, Alexandre COCHET, Christophe BOICHOT, Philippe MAINGON, François BRUNOTTE, ESRMB Congress, Valence, Espagne, 2008.

**-Brain MRI of Guadeloupean patients suffering from progressive supranuclear palsy.** Laurent GIRÉ, Annie LANNUZEL, Douraied BEN SALEM, Pauline GIRÉ, Frédéric RICOLFI, European Congress of Radiology (ECR), Vienna, Austria, 2007.

**-Measurements of T1 and T2 Relaxation Times of Blood at 3 Tesla According to the Hematocrit.** Douraied BEN SALEM, Alexandre VIGNAUD, Anne RÉGIS, Denis KRAUSE, Claire KRAUSÉ, Frédéric RICOLFI, Radiological Society of North America (RSNA). 93rd Scientific Assembly and Annual Meeting, RSNA 2007 Chicago, Illinois-USA, 2007.

**-How to Estimate Age Using CT of the Pubic Symphysis, and the Sternal Surface of the 4th Rib.** Douraied BEN SALEM, Nor-Islam TRODI, Anne RÉGIS, Jean-pierre CERCUEIL, Denis KRAUSE, Frédéric RICOLFI, Radiological Society of North America(RSNA) 93rd Scientific Assembly and Annual Meeting, RSNA 2007 Chicago, USA., 2007.

**-Relationship among 1H-Magnetic Resonance Spectroscopy (1H-MRS) at basal ganglia plane and balance-gait performances in older adults.** Douraied BEN SALEM, Paul WALKER, Serge AHO, Maurice GIROUD, Frédéric RICOLFI, François BRUNOTTE, European Society of Magnetic Resonance in Medicine and Biology. 23rd annual meeting of ESMRMB 2006., Warsaw, Poland, 2006.

**-Hypertension cerebrovascular damages depicted by MR spectroscopy in the elderly.** Douraied BEN SALEM, Paul WALKER, Béatrice TAVERNIER, Christophe TZOURIO, Maurice GIROUD, François

BRUNOTTE, European Society of Magnetic Resonance in Medicine and Biology; 22nd annual meeting of ESMRMB., Basle, Switzerland, 2005.

**-Interest of the cortico-steroid epidural injection in the case of massive intra-canal disk herniation (12 patients). Douraied BEN SALEM**, Benoit HECQUET, Nicolas VIGNON, Jerémy MAZAUD, Denis KRAUSE, Radiological Society of North America, 91st scientific assembly and annual meeting, RSNA2005 Chicago, USA, 2005.

**-MR, CT and Doppler control follow-up after angioplasty stenting for severe carotid stenosis: mid and long term results (28 patients). Douraied BEN SALEM**, Denis KRAUSE, Jean-pierre CERCUEIL, François COGNET, Nathalie BAUDOUIN, Frédéric RICOLFI, European Congress of Radiology (ECR), Vienna, Austria, 2004.

**-Imaging assessment of blunt trauma patient.** Jean Michel YEGUIAYAN, François LENFANT, **Douraied BEN SALEM**, Denis KRAUSE, Frédéric RICOLFI, Marc FREYSZ, 13th World Congress of Anaesthesiologists(WCA)., Paris, France, 2004.

**-Chronic Vascular Abnormalities in Sportsmen.** Jean Michel LERAI, **Douraied BEN SALEM**, Marie DRANSSART, Etienne PEROUSE DE MONTCLOS, François COGNET, Denis KRAUSE, Radiological Society of North America, 89th scientific assembly and annual meeting, RSNA 2003, Chicago, USA, 2003.

**-Chondroblastoma of the temporal bone associated with a persistent hypoglossal artery. Douraied BEN SALEM**, Eric DUMOUSSET, Didier MARTIN, Jean François COUAILLIER, Jean-louis SAUTREAU, Denis KRAUSE, European Congress of Radiology(ECR),Vienna, Austria, 2002.