



EUROPEAN SOCIETY OF NEURORADIOLOGY
DIAGNOSTIC AND INTERVENTIONAL

NEWSLETTER

Welcome to the first issue of the ESNR Newsletter

We are proud and excited to present our first newsletter to all ESNR members and to the wider community interested in neuroradiology. Our aim is to send out a newsletter on a quarterly basis which will advise on future events and report on previous events, grants, Awards, Fellowships and other interesting information relevant to our Society.

Until now, the Social Media Committee of the ESNR had two important channels with which to share information about our Society: the ESNR website, which is our worldwide portal to the Society, and the ESNR pages in *Neuroradiology*. We are confident that this newsletter is an important and useful way to expand our visibility to provide up-to-date information to our members.

All the Newsletters will be archived on the ESNR website under the 'ESNR Publications' section to ensure that all information is readily and permanently available.

The Social Media Committee hopes that you will enjoy this initiative.

Núria Bargalló

Chair of the Social Media Committee.

Topics

- ★ President's New Year Greeting
- ★ Next ESNR meeting announcement and news
- ★ Dates of forthcoming ESNR meetings
- ★ Forthcoming ESNR courses (second and third level)
- ★ Announcements of Fellowships



Next Annual Meeting will be held in Malmö, Sweden



Dr Alex Rovira Cañellas

President's New Year Greeting

The European Society of Neuroradiology (ESNR) is one of the largest, oldest, and most active radiological societies in Europe. As president of the ESNR, I am more than satisfied with the good health of our Society, which is the result of the excellent work of my predecessors, the creative input and energy of the members of our Executive Committee, and most importantly, the active participation of our members in the educational and scientific activities organized by the Society.

However, we need to be aware of the challenges affecting both diagnostic and interventional neuroradiology, which need to be faced and resolved in collaboration with other organizations and scientific societies.

Based on recently published phase III clinical trials, endovascular thrombectomy has now been established as the standard of care for acute stroke patients with large vessel occlusion. It is therefore imperative to provide such a service, which in turn requires the development of appropriate training and practice charters for interventional neuroradiology in Europe that consider the increasing demand for well-trained neuroradiologists to diagnose and treat acute ischemic stroke patients and achieve the best possible clinical outcomes. ESNR has been working on providing a training charter for acquiring a 'particular qualification' in interventional neuroradiology that should facilitate harmonization and high-quality practice across the different European countries. Unfortunately, in many European countries the structure of the residency programmes does not ensure an adequate training in neuroradiology, thereby leaving radiologists in a poor position to acquire the necessary skills and proficiency in diagnostic and interventional neuroradiology. A new residency programme of five years' duration that includes a two-year training period in general radiology (common trunk phase), followed by three years of specific training in the different radiological subspecialties or in general radiology (differentiation phase) is therefore highly important. I believe this is the only way to offer a complete and adequate training programme to residents in radiology.

'We need to be aware of challenges affecting both diagnostic and interventional neuroradiology, which need to be faced and resolved in collaboration with other organizations and scientific societies.'

Dr Alex Rovira Cañellas



The 40th ESNR Annual Meeting, 24th Advanced Course in Diagnostic Neuroradiology and 9th Advanced Course in Endovascular and Interventional Neuroradiology

Malmö, Sweden 13–17 September 2017



The 40th ESNR Annual Meeting, 24th Advanced Course in Diagnostic Neuroradiology and 9th Advanced Course in Endovascular and Interventional Neuroradiology will take place in the south of Sweden in Malmö, the country's third largest city. Located on the coast, Malmö is a continually expanding, vibrant and multicultural city.

The scientific committee has developed an appealing educational and scientific programme with a stronger focus on scientific and new advances in neuroradiology. There will be keynote lectures by Prof. Anne Osborn, Prof. Mauricio Castillo, Prof. Staffan Holmin, and Prof. Mark van Buchem, as well as several other well-known national and international speakers.

For the first time in the course of our annual meetings, we will start one day earlier than usual with a half-day pre-course session entitled 'CSF

disease: the neuroradiological impact in diagnosis and treatment of idiopathic normal pressure hydrocephalus (INPH) - is there a need for neuroradiology?' Please don't forget to register for this. The cost is included in the congress fee.

The advanced course and annual meeting will be held at the Clarion Hotel and Congress Malmö Live, located in the middle of the city just a few minutes walk from Malmö railway station. The Clarion Hotel adjoins the Congress Centre and there are several other hotels less than five minutes' walk away.

Abstract submissions are possible from now until 15 March 2017.

Please visit the ESNR website www.esnr.org/en/40th-esnr-annual-meeting/ for continuously updated information.

THE DEADLINE FOR REDUCED REGISTRATION FEES IS 15 APRIL 2017.



Report on the 39th ESNR Annual Meeting

The 39th ESNR Annual Meeting was held in Belgrade, Serbia, from 15-18th September 2016, under the successful Presidency of Prof. Tatjana Stosic-Opincal.

The meeting was sponsored by eight industry representatives and attended by 314 participants, from 46 different countries all over the world. The 23rd advanced course in Diagnostic Neuroradiology and the 8th Advanced Course in Interventional Neuroradiology were also included in the meeting and were devoted to tumour imaging and stroke management respectively. Both courses took place during the first day of the meeting and had an attendance of 215 participants.

The final written and oral exams for the EDiNR were performed one day before the Annual Meeting. 102 examinees from 26 countries competed, and 97 of them passed the exams, while one person passed the exams for the EDiSINR.

Many interesting topics of diagnostic neuroradiology were discussed during the meeting, including vascular, psychiatric/neurodegenerative, metabolic/toxic, white matter, infectious, paediatric and spinal diseases, as well as the application of advanced imaging techniques. Three joint sessions were also conducted: the 'ESNR-ESNHR' dedicated to head and neck tumours, the 'ESNR-OHMB' devoted to language lateralization and epilepsy, and the 'ESNR-ASPNR' which dealt with



Belgrade, Serbia 15-18 September 2016

metabolic diseases and child abuse. Recent advances in the field of aneurysms and AVMs were presented during the interventional sessions, while various interesting lectures were given during the 'ESNR meets Serbia' session. Finally, intriguing brain diagnostic, interventional and spinal cases were presented during other sessions.

During the meeting, 63 selected abstracts were presented orally, divided into five categories: 29 diagnostic, 18 interventional, 4 head and neck, 6 paediatric and 6 spine. 105 e-posters were also presented: 68 diagnostic, 17 interventional, 3 head and neck, 15 paediatric and 2 spine.

At a moving Honorary Membership Ceremony Prof. Marco Leonardi and Prof. Paul Parizel were awarded honorary membership which was presented by Prof. Mario Muto and Prof. Majda Thurnher, respectively.

Prof. Efrosini Papadaki



2016 Honorary Members of the ESNR

The Honorary Membership ceremony took place at the last Annual Meeting in Belgrade, on 15–18 September, 2016 and Prof. Paul Parizel and Prof. Marco Leonardi were introduced and presented their awards by Prof. Majda Thurnher and Prof. Mario Muto, respectively.



Prof. Paul M. Parizel

Paul M. Parizel was born in Antwerp, Belgium, but between the ages of four and six he spent two years in London, England, with his parents while his father was working as part of a Fellowship in cardiology at Hammersmith Hospital and

his mother was obtaining a degree at the University of London. As a medical student, he spent two summers in the USA, doing clinical electives at the University of California Davis, in Sacramento, the Boston City Hospital/Boston University, and at Brigham and Women's Hospital Boston/ Harvard Medical School. After obtaining his medical degree, he successfully passed the USMLE (United States Medical Licensing Examination) and also the VQE and TOEFL. Paul M. Parizel graduated *summa cum laude* as MD from the Faculty of Medicine, University of Antwerp, Belgium, in 1982. He is a Board-certified radiologist.

He completed Fellowships in neuroradiology at Massachusetts General Hospital, Harvard Medical School (Prof. Dr. Juan M. Taveras), and at Hôpital Erasme, University of Brussels (Prof. Dr. Danielle Balériaux).

In 1994, he obtained a PhD degree with a doctoral dissertation entitled 'The influence of field strength on magnetic resonance imaging (a comparative study in physicochemical phantoms, isolated brain specimens and clinical applications).'

Since 2003, Paul M. Parizel has been Chairman of

the Department of Radiology at the Antwerp University Hospital, and tenured full Professor of Radiology in the Faculty of Medicine and Health Sciences, University of Antwerp. He is a member of the Board of Trustees of the University of Antwerp, representing the Faculty of Medicine and Health Sciences.

Prof. Parizel has authored or co-authored more than 350 peer-reviewed scientific papers and more than 40 book chapters. He is editor and co-editor of several books, including 'Clinical MR Imaging, a practical approach' (Reimer P, Parizel PM, Meaney JFM, Stichnoth F-A, Eds.) and 'Spinal Imaging' (Van Goethem J, van den Hauwe L, Parizel PM, Eds.)

His main fields of interest are neuroradiology and MRI, with a focus on integrating scientific research with patient-oriented clinical applications.

Prof. Parizel has received several international awards, including the prizes of the European Society of Neuroradiology, ECR best presentation award and CompuRAD Exhibition Award. National awards include an award from the Belgian Government, Kodak Grant of the Royal Belgian Society of Radiology, and the 'Astra Foundation Chair' for Lectures in Medicine. In 2014 he presented the honorary Wilhelm Conrad Röntgen Honorary Lecture during the European Congress of Radiology (ECR 2014) in Vienna.

Prof. Parizel is an active member of many scientific societies and organizations. He served as President of the Royal Belgian Radiological



Society (RBRS) from 1999 to 2000, was Chairman of the Scientific Programme Committee of the 2003 ESMRMB meeting in Rotterdam, and Chairman of the Postgraduate Educational Course Programme for ECR 2011 in Vienna.

From 2010 to 2012, he served as President of the European Society of Neuroradiology (ESNR). In 2016 he became the President of the European Society of Radiology (ESR), which is the largest radiological society in the world, with more than 63,000 members.

He is an Honorary Fellow of the Royal Australian and New Zealand College of Radiology (2002), honorary member of the Serbian Society of Neuroradiology (2012) and honorary and founding member of the Russian National Society of

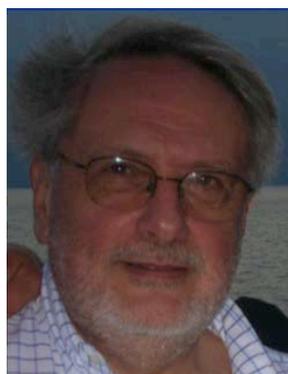
Neuroradiology (2012), as well as honorary member of the Romanian Society of Radiology and Medical Imaging (2015) and an honorary member of the Spanish Society of Radiology (2016).

To describe Paul Parizel as a person is not an easy task but I would choose loyalty, friendship, excellence, diligence, tolerance and integrity as his greatest virtues.

He is a person who stands up for what he believes in, even when it is unpopular to do so!

Congratulations to Paul on the Honorary Membership. It is certainly fitting that his lifelong dedication to neuroradiology and science is being recognized in this way.

Prof. Majda Thurnher



Prof. Marco Leonardi

Marco was born in Rome on 23 May, 1944. His father was a doctor and his mother a teacher. In 1967 he finished his medical school in Padua, and two years later his residency in radiology presenting a thesis on 'Diagnostic features on intracranial meningioma'.

He worked from 1970 to 1993 in Udine, first as an assistant and later as Chief of Neuroradiology. In 1993 he moved to Milan where he became Chief of Neuroradiology at Maggiore University Hospital.

He became Full Professor of Neuroradiology in 2008 when he finally moved back to Bologna where his family lived, with Adriana, his wife, and his son Nicola.

During his professional career, he has been President AINR 1986-1990 and 1998-2000, President SNO 2003-2005, President ESNR 2008-2011, President ESNR Annual Meeting 1987, President ESNR Annual Course 2008, President WFTIN Meeting 2005, President Symposium Neuroradiologicum 2010,

founder and Scientific Director of the 'Rivista di Neuroradiologia' the Neuroradiology Journal, and founder of the European School of Neuroradiology.

Marco is often arguing and discussing in an animated way about many topics, but always in a positive and constructive manner. Marco appreciates that nothing is ever a certainty, but questioning everything is something that helps him solve problems as part of his daily work.

Marco strongly believes in human relationships, friendship and exchanging experience as a form of personal and professional growth. His maxim is 'if you believe in an idea, do it and check it, this is the only way to have an answer to your question.'

Marco, Pepe Scotti and Ugo Salvolini have successfully represented Italy across the world for many years.

I want to thank Marco personally for what he has done for Italian Neuroradiology, European Neuroradiology and for the passion he has been able to transfer to so many of us.

Prof. Mario Muto



Report from the 1st E-GREC (European Gadolinium Retention Evaluation Consortium) meeting

Napoli, Italy 4–6 November 2016



The phenomenon of T1 hyperintensity of the deep cerebellar nuclei and the pallidum in patients with normal renal function who received multiple injections of gadolinium-based contrast agents (GBCAs) has involved radiologists and neuroradiologists all over the world over the last two years and has resulted in a large number of publications on many aspects of this topic. Recently, a research network has been established called the 'Gadolinium Retention Evaluation Consortium' (GREC). The aim of this network is to join the forces of preclinical research laboratories from academia and industry, clinical research groups from academia and specialists in epidemiology, and guidelines in the field of contrast agents safety.

The European group, abbreviated as E-GREC and co-ordinated by Carlo C. Quattrocchi (Università Campus Bio-Medico di Roma, Italy) and Aart van der Molen (Leiden University Medical Center, Netherlands), held the first inaugural meeting between 4–6 November in Naples, under the patronage of ESNR. A unique environment was created with the purpose of sharing information, updates and ideas on the issue of retention and/or deposits of gadolinium in patients given intravenous doses of GBCAs. Alexander Radbruch from Heidelberg, Joana and Miguel Ramalho from Lisbon, Alex Rovira from Barcelona, Peter Aspelin from Stockholm and Silvio Aime from Turin made a substantial contribution to the success of the meeting.

The representatives of the four biggest companies of contrast media (Bayer, Bracco, GE Healthcare and

Guerbet) sponsored the meeting and gave their active contribution during scientific sessions. The intense discussion encouraged the exchange of expert opinions to share the state of knowledge on tissue retention of gadolinium and discuss methodological approaches that could sensitively reduce data and result in homogeneity among research groups. Methods of data sharing, harmonization and integration between the different institutions in Europe were discussed.

It was highlighted that the involvement of the central nervous system as a site of gadolinium retention must be considered in a more integrated and interdisciplinary way that should take into account mechanisms of gadolinium retention in other sites, such as bone, skin and liver.

As a first step, the European Group has established a task force consisting of Alexander Radbruch, Carlo C. Quattrocchi, Joana Ramalho and Alex Rovira (as the ESNR representative) to develop a uniform terminology in defining the symptoms recently attributed to the administration of GBCAs and to develop guidelines to standardize clinical research methodologies. In addition, the Task Force has undertaken the development of a MR phantom in order to normalize the results from different centres in Europe and use a common reference to compare the different GBCAs available today.

Finally, while the network is actively engaged in the search for European funding, the 2nd E-GREC meeting will be organized in the near future.



ESNR Awards

European Neuropathology Awards in Diagnostic and Interventional Neuroradiology and the Lucien Appel Prize of the ESNR

SUBMISSIONS ARE NOW OPEN

In 2008, the Executive Committee of the ESNR decided to introduce two new scientific prizes for young neuroradiologists, alongside the existing **Lucien Appel Prize of the ESNR**, which is awarded annually for the best research paper. The new prizes were created in honour of the pioneers and past Presidents of European Neuroradiology, and are awarded for the best papers in diagnostic and interventional neuroradiology. The Executive Committee of ESNR decided to give the name of one of the pioneers of the Society and the name of one of its past Presidents in an order as '**ESNR Awards in Honor of...**' and to present their short CV and pictures at the Awards Ceremony during the ESNR Annual Congress or during the Symposium Neuroradiologicum.

Among those awards, the proposal of Springer to institute the '**ESNR-Springer Award**' was also accepted. The prize money of €1,000 will be awarded by Springer to the first-named author (ESNR Member) of the most cited article in the latest published Impact Factor (IF) list (for 2016, IF 2015 was used), together with a free registration to the ESNR Annual Meeting of the current year. The Article will be highlighted on the journal webpage Springer.com.

More information is available on the ESNR website www.esnr.org/en/education/awards/

THE DEADLINE FOR THE RECEIPT OF SUBMISSIONS IS 1 MARCH 2017.

Please send your submissions for the attention of the ESNR Secretary General.
E-mail: info@esnr.org

ESNR Fellowships

12-month Research Fellowship in Diagnostic Neuroradiology

The ESNR Neuroradiology Diagnostic Committee is delighted to announce that, with support of the ESNR Executive Committee, we can offer a 12-month Research Fellowship in Diagnostic Neuropathology. The purpose of this Fellowship is to stimulate cross-border research exchange in neuroradiology within Europe.

The Fellowship amounts to €25,000, intended to cover the cost of living during the Fellowship. Host institutions are expected to cover all potential other costs related to carrying out the research project.

Eligible are ESNR junior or full members up to the age of 40 years, who have been residing in Europe at the time of application for the past 24 months

(with respect to membership see also ESNR regulations 7.12.2014).

Candidates will be selected based on their potential for scientific development, including the capacity to carry out the proposed research project, the quality of the research project, and the appropriateness of the host institution for the proposed project.

A minimum of one (submitted) manuscript is expected to result from the Fellowship.
For more information see www.esnr.org

THE DEADLINE FOR RECEIPT OF SUBMISSIONS IS 20 FEBRUARY 2017

Applications to be sent to: info@esnr.org



ESNR is pleased to announce the following upcoming ESNR courses:

European Course on Paediatric Neuropathology
8th Cycle, Module 2

21–25 JANUARY 2017 GENOVA, ITALY

Advanced Course of HQ in Endovascular Interventional Neuropathology
6th Cycle, Module 3: Aneurysms

27 FEBRUARY –1 MARCH 2017 HAMBURG-EPPENDORF, GERMANY

European Course in Neuroradiology, Diagnostic and Interventional
14th Cycle, Module 2: CNS Tumours

7–11 MAY 2017 ANTWERP, BELGIUM

8th ESNR Diagnostic and Interventional Spine Course

28 JUNE–1 JULY 2017 CATANIA, ITALY

European Course in Neuroradiology, Diagnostic and Interventional
14th Cycle, Module 3: Vascular

15–19 OCTOBER 2017 DUBROVNIK, CROATIA

More information on all these courses and others can be found at www.esnr.org, or by emailing ESNR at info@esnr.org

If you have any feedback you would like to offer on this newsletter, or suggestions for future topics, please e-mail info@esnr.org