

The European Society of Neuroradiology

The European Society of Neuroradiology (ESNR) was founded on September 5, 1969 during a meeting which took place in Colmar, France, upon the initiative of Drs Jean-Paul Braun (Colmar) and Auguste Wackenheim (Strasbourg) and under the guidance and support of Professor George B. Ziedses des Plantes (Amsterdam). The following purposes of the Society were unanimously adopted by the 68 Founding Members:

1. To promote Neuroradiology by appropriate means.
2. To co-ordinate work and documents in Neuroradiology and to assure their diffusion throughout the countries of Europe.
3. To co-ordinate the relationships between General Radiology and the Clinical Neurosciences.
4. To contribute toward unified methods of teaching Neuroradiology and unified standards for training and certification in Neuroradiology.
5. To promote and co-ordinate relationships among the European National Neuroradiological Societies and to promote the foundation of National Neuroradiological Societies.
6. To form European research teams to deal with specific neuroradiological questions.

Founding Members of the ESNR

P. Amundsen, Norway	Ph. Engel, France	J. Petrov, Germany
P. Andersen, Denmark	L. Escudero, Spain	L. Picard, France
H. Backmund, Germany	H. Fischgold, France	P. Potthoff, Germany
K. Bergström, Sweden	T. Greitz, Sweden	L. Psenner, Austria
V. Bernasconi, Italy	G. Gryspeerdt, UK	R. Reid, UK
A.S. Bligh, UK	H. Hacker, Germany	J. Roulleau, France
G. Bonte, France	D.T. Hawkins, UK	M. Roth, former Czechoslovakia
J. Bories, France	R. Hoare, UK	G. Ruggiero, Italy
G. Bradac, Germany	P. Huber, Switzerland	G. Salamon, France
J.P. Braun, France	H.H. Jacobsen, Denmark	W. Shepherd, UK
P. Buffard, France	J. Jeanmart, Belgium	J. Simon, France
J.W.D. Bull, UK	J. Jirout, former Czechoslovakia	F. Smaltino, Italy
E.H. Burrows, UK	E.M. Klausberger, Austria	J. Solé-Llenas, Spain
A. Calabrò, Italy	J. Legré, France	A. Tänzer, Germany
R. Chrzanowski, Poland	B. Liliequist, Sweden	A. Thibaut, Belgium
G. Cornélis, Belgium	E. Lindgren, Sweden	H. Vogelsang, Germany
S. Cronqvist, Sweden	G. Lombardi, Italy	A. Wackenheim, France
K. Decker, Germany	J. Metzger, France	S. Wende, Germany
P. Dettori, Italy	P. Moxon, UK	G. Westberg, Sweden
R. Djindjian, France	D. Müller, Germany	I. Wickholm, Sweden
A. Donaldson, UK	R. Oberson, Switzerland	O. Wiedermann, Germany
G. du Boulay, UK	A. Passerini, Italy	G.B. Ziedses des Plantes, The Netherlands
J. Duquesnel, France	L. Penning, The Netherlands	

Full Membership in the ESNR is open to medical practitioners who have accomplished at least two years formal training in Neuroradiology and who spend at least half of their working time in the practice of Neuroradiology in a European country. Other membership categories include Associate, Corresponding, Honorary, Emeritus and Corporate Membership. There are presently nearly 600 members in all categories, including about 400 active Neuroradiologists in all European countries as Full Members.

Board of the ESNR

Executive Committee

President	Jordi Rusalleda
Vice-President	Martin Schumacher
Past-President	Olof Flodmark
Secretary General	Guido Wilms
Treasurer	Othmar Schubiger
Chairman NDs Council	Massimo Gallucci
Members at Large	Augusto Goulão, Paul Parizel, Alex Rovira Cañellas
Director ECNR ex-officio	Ernst Wilhelm Radü

National Delegates

Austria	G. Klein	Luxembourg	G. Doms
Belgium	J. Casselman	The Netherlands	J. Wilmink
Croatia	S. Jancovic	Norway	S. J. Bakke
Czech Republic	P. Krupa	Poland	J. Walecki
Denmark		Portugal	N. Canto-Moreira
Finland	R. Vanninen	Serbia and Montenegro	A. Jasovic
France	P. Lasjaunias	Slovenia	J. Knific
Germany	R. von Kummer	Spain	L. Nombela
Greece	A. Gouliamos	Sweden	B. Berthelsen
Hungary	P. Barsi	Switzerland	E. W. Radue
Ireland	P. Brennan	Turkey	E. T. Tali
Italy	M. Gallucci	United Kingdom	Ch. Romanowski
Latvia	G. Krumina		

Honorary Members of the ESNR

Giovanni di Chiro, USA (1989)	Antonio Sicuro, Italy (1995)
T. Hans Newton, USA (1989)	Gerard M. Debrun, U.S.A. (1997)
Juan M. Taveras, USA (1989)	Paulo A. Mendo, Portugal (1997)
Jacqueline Vignaud, France (1993)	Hans Hacker, Germany (1999)
Derek C. Harwood-Nash, Canada (1993)	Thomas P. Naidich, USA (1999)
Torgny Greitz, Sweden (1994)	Juan Solé Llenas, Spain (1999)
Yutaka Kuru, Japan (1994)	Brian Kendall (2001)
Jan Jirout, Czech Rep. (1994)	Robert Zimmerman (2001)
Jean Paul Braun, France (1995)	Lourens Penning (2002)
Peter Huber, Switzerland (1995)	
Georges Salamon, France (1995)	

These pioneers in Neuroradiology have significantly furthered the development of Neuroradiology, increased the prestige of the speciality and made important contributions to the scientific and academic life of European institutions.

Past Presidents

George B. Ziedses des Plantes, Amsterdam	1969–1972
James W.D. Bull, London	1972–1975
Giovanni Ruggiero, Bologna	1975–1978
Per Amundsen, Oslo	1978–1981
Auguste Wackenheim, Strasbourg	1981–1984
George du Boulay, London	1984–1987
Sten Cronqvist, Lund	1987–1990
Jean Paul Braun, Colmar	1990–1993
Ugo Salvolini, Ancona	1993–1996
Pierre Lasjaunias, Paris	1996–1998
Claude Manelfe, Toulouse	1998–2000
Olof Flodmark	2000–2004

Honorary Presidents

George B. Ziedses des Plantes
Giovanni Ruggiero
Auguste Wackenheim
George du Boulay
Sten Cronqvist
Jean Paul Braun

Committees of the ESNR

Standing Committees

Technical Committees

Rules

J. Byrne (Chair)

E. A. Cabanis
A. Lilja
v. Kummer
J. Reul

Membership

B. Gomez-Anson

Audit

E.-M. Larsson (Chair)

P. Parizel
I. Szikora

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Publication

H. R. Jäger (Chair)

M. Gallucci
P. Sundgren
M. Thurner
J. Byrne

Scientific Programme

D. Ruefenacht

Scientific Award

B. Appel (Chair)

M. Hourihan
P. Nakstad

Education-EBNR

O. Flodmark (Chair)

P. Lasjaunias
M. Leonardi
O. Schubiger
E.W. Radue
P. Griffiths
T. Krings
P. Parizel
A. Rovira

Sub-speciality Committees

Interventional Neuroradiology

A. Goulão (Chair)

P. Ferro Vilela
M. Muto
R. Sellar
T. Yousry

Paediatric Neuroradiology

P. Tortori Donati (Chair)

P. Demaerel
N. Girard
E. Martin-Fiori
Ch. Romanowski

Head and Neck Neuroradiology

A. Valavanis (Chair)

Ph. Anslow
J. Casselman
M. De Juan Delago
L. van den Hauwe

Ad Hoc Committees

European Affairs and NR

Specialization / UEMS

P. Lasjaunias

Symposium Neuroradiologicum

L. Picard (Chair)

M. Leonardi

European Exchange Programme

M. Schumacher (Chair)

J. Byrne
J. Rusalleda
R. von Kummer
T. Yousry

Past Officers**1969–1972**

President George B. Ziedses des Plantés, Amsterdam
 Vice-President James W. Bull, London
 Secretary General Auguste Wackenheim, Strasbourg
 Assistant Secretary Jean Paul Braun, Colmar

1972–1975

President James W. Bull, London
 Vice-President Giovanni Ruggiero, Bologna
 Secretary General Auguste Wackenheim, Strasbourg
 Assistant Secretary Jean Paul Braun, Colmar

1975–1978

President Giovanni Ruggiero, Bologna
 Vice-President Per Amundsen, Oslo
 Secretary General Auguste Wackenheim, Strasbourg
 Assistant Secretary Jean Paul Braun, Colmar

1978–1981

President Per Amundsen, Oslo
 Vice-President Auguste Wackenheim, Strasbourg
 Secretary General Jean Paul Braun, Colmar
 Assistant Secretary Peter Huber, Bern

1981–1984

President Auguste Wackenheim, Strasbourg
 Vice-President George du Boulay, London
 Secretary General Jean Paul Braun, Colmar
 Assistant Secretary Uwe Piepgras, Homburg
 Treasurer Peter Huber, Bern

1984–1987

President George du Boulay, London
 Vice-President Sten Cronqvist, Lund
 Secretary General Jean Paul Braun, Colmar
 Assistant Secretary Uwe Piepgras, Homburg
 Treasurer Peter Huber, Bern

1987–1990

President Sten Cronqvist, Lund
 Vice-President Jean Paul Braun, Colmar
 Secretary General Uwe Piepgras, Homburg
 Assistant Secretary Ugo Salvolini, Ancona
 Treasurer Peter Huber, Bern

1990–1993

President Jean Paul Braun, Colmar
 Vice-President Uwe Piepgras, Homburg
 Secretary General Anton Valavanis, Zürich
 Assistant Secretary Pierre Lasjaunias, Paris
 Treasurer Peter Huber, Bern

1993–1996

President Ugo Salvolini, Ancona
 Vice-President Danielle Balériaux, Bruxelles
 Secretary General Marco Leonardi, Milano
 Assistant Secretary Armin Thron, Aachen
 Treasurer Othmar Schubiger, Zürich

1996–1998

President Pierre Lasjaunias, Paris
 Vice-President Claude Manelfe, Toulouse
 Past-President Ugo Salvolini, Ancona
 Secretary General Marco Leonardi, Bologna
 Treasurer Othmar Schubiger, Zurich
 Counsellors Olof Flodmark, Stockholm
 Chairman NDs Council Ivan Moseley

1998–2000

President Claude Manelfe, Toulouse
 Vice-President Olof Flodmark, Stockholm
 Past-President Pierre Lasjaunias, Paris
 Secretary General Marco Leonardi, Bologna
 Treasurer Othmar Schubiger, Zurich
 Counsellors C. Andreula
 Chairman NDs Council M. Schumacher

2000–2004

President Olof Flodmark
 Vice-President Luc Picard - Jordi Rusalleda
 Past-President Claude Manelfe
 Secretary General Marco Leonardi
 Treasurer Othmar Schubiger
 Chairman NDs Council Martin Schumacher
 Members at Large: Cosma Andreula,
 Elna-Marie Larsson, Per Hj. Nakstad

Lucien Appel Prize of the ESNR

Rules for participation

Article 1 :

The “Lucien Appel Prize of the ESNR” will reward the achievements of a young neuroradiologist under the age of 40 years. This Scientific Award is open to all candidates, independent of nationality, member or non-member of the ESNR.

Article 2 :

The Prize, to the amount of 4.000 Euro, awarded during each Annual Congress of the ESNR or Neuroradiological Symposium, includes full coverage of the guest registration fee for this Annual Congress.

Article 3 :

The Candidate has to be the author of at least three papers or an original work in the field of Neuroradiology. This work, recently published in a scientific journal or still unpublished, may not have received any prize.

The Contest is open for application each year before May 1st.

Article 4 :

The submission must be sent as a manuscript written in English as well as in an electronic format (3.5' floppy disc, ZIP 100 or CD-ROM, all PC formatted).

Original works in other languages must be submitted together with a translation into English. The submission, supplied in eight copies, shall also include three copies of the extensive Curriculum Vitae of the author.

By submitting the work to the competition the author agrees, if declared the winner, to present the work at the next ESNR Annual Congress.

Article 5 :

A Scientific Jury will judge the papers. This Jury, composed of the Chairman of the Scientific Committee and two members, will each year be enlarged by four International Specialists in Neuroradiology.

Article 6 :

The Scientific Award Committee, leaning on this advice, will designate the Laureate before July the 1st. If the Committee decides that no Candidate meets the qualification standards, no Prize will be awarded.

Article 7 :

All Candidates will be notified in writing of the results of the vote. The Laureate will be invited to present his / her work in a 15 minutes oral presentation during the Annual Congress.

The Award and the Laureate will be announced to various European and International Journals for Neuroradiology.

A winning and still unpublished paper will appear in “Neuroradiology”.

Article 8 :

All possible problems concerning the validity of Candidates and/or problems regarding the awarding of the Prize itself will be dealt with exclusively by the Scientific Award Committee.

Article 9 :

Candidateship implies acceptance of the rules.

The Award winners of the Lucien Appel Prize of the ESNR:

2005 M. Bendszuz

2006 L.S. Politi

The Award winners of the ESNR Scientific Award (1970-2004) include:

1970	C. Manelfe (France)	1988	A. Biondi (Italy)
1971	M. Corrales (Chile)		J. Moret (France)
1972	M. Megret (Switzerland)		P. Parizel (Belgium)
	J.J. Merland (France)		G. Schroth (Germany)
	M. Michotey (France)	1989	C. Debusche (France)
1975	I. Moseley (United Kingdom)	1991	G. Isensee (Germany)
	G. Scialfa (Italy)		K.G. Terbrugge (Canada)
1977	D. Lardé (France)	1992	M. Forsting (Germany)
1982	S. Bockenheimer (Germany)		M. Martinez (Spain)
	K. Kretschmar (Germany)		N. Anzalone (Italy)
	P. Lasjaunias (France)	1993	L. Van den Hauwe (Belgium)
1983	R. Aaslid (Norway)		K.E.W. Eberhardt (Germany)
	J.L. Burguet (France)		F. Barkhof (United Kingdom)
	A. Valavanis (Switzerland)		N. Colombo (Italy)
1985	J. Barckley (United Kingdom)	1994	Z. Patay (Hungary)
	P. Parizel (Belgium)		S. Lehericy (France)
	D. Rüfenacht (Switzerland)	1999	I. Burtscher (Sweden)
1986	A. Beltramello (Italy)	2000	M. Knauth (Germany)
	J. Chiras (France)	2001	G. Polonara (Italy)
	M. Mosskin (Sweden)	2002	Ph. White (UK)
1987	F. Koschorek (Germany)	2003	L. Raffi
	N. Martin (France)	2004	T. Krings
	F. Triulzi (Italy)		

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Congress of the ESNR

The European Society of Neuroradiology holds each year a scientific congress at a place and date designated by the Executive Committee. The business meeting (General Assembly) of the Society is held in conjunction with this annual scientific congress. Since its creation in 1969, the ESNR has organised 31 scientific congresses. In recognition of the importance of the Symposium Neuroradiologicum, which is held every four years, no scientific congress of the ESNR was held in the year of the Symposium.

Past Congresses

I Congress

September 6, 1969
Colmar, France
Presidents: J.P. Braun and
A. Wackenheim

II Congress

September 24–25, 1971
London, United Kingdom
President: J.D.W. Bull

III Congress

August 23–24, 1972
Bologna, Italy
President: G. Ruggiero

IV Congress

September 28–29, 1973
Frankfurt, Germany
President: H. Hacker

V Congress

September 4–6, 1975
Gello, Norway
President: P. Amundsen

VI Congress

September 16–18, 1976
Dijon, France
President: J. Bories

VII Congress

September 9–10, 1977
Barcelona, Spain
President: M. Rovira

VIII Congress

September 7–8, 1979
Strasbourg, France
President: A. Wackenheim

IX Congress

September 12–13, 1980
Brussels, Belgium
President: G. Cornelis

X Congress

September 25–26, 1981
Milan, Italy
President: A. Passerini

XI Congress

September 15–17, 1983
Bern, Switzerland
President: H. Huber

XII Congress

September 27–29, 1984
Prague, Czechoslovakia
President: J. Jirut

XIII Congress

September 11–15, 1985
Amsterdam, The Netherlands
President: J. Valk

XIV Congress

September 8–12, 1987
Udine, Italy
President: M. Leonardi

XV Congress

September 13–17, 1988
Wurzburg, Germany
President: M. Nadjmi

XVI Congress

20th Anniversary of the ESNR
July 2–6, 1989
Paris, France
President: E.A. Cabanis

XVII Congress

October 8–13, 1991
Zurich, Switzerland
President: A. Valavanis

XVIII Congress

September 8–12, 1992
Stockholm, Sweden
President: K. Ericson

XIX Congress

September 8–12, 1993
Bruges, Belgium
Presidents: D. Balériaux - B. Appel

XX Congress

25th Anniversary of the ESNR
June 14–18, 1994
Nancy, France, President: L. Picard

XXI Congress

September 20–23, 1995
Budapest, Hungary
President: J. Kenéz

XXII Congress

September 17–21, 1996
Milan, Italy
President: G. Scotti

XXIII Congress

September 16–20, 1997
Oxford, United Kingdom
President: J.V. Byrne

XXIV Congress

September 23–26, 1998
Lisbon, Portugal
President: A. Goulão

XXV Congress

September 7–11, 1999
Vienna Austria
President: E.Schindler

XXVI Congress

September 10–13, 2000
Oslo, Norway
President: P.H. Nakstad

XXVII Congress

joint meeting with the ESHNR
September 13–16, 2001
Ancona, Italy
President: U. Salvolini

XXVIII Congress

September 11–14, 2003
Istanbul, Turkey
President: E. T. Tali

XXIX Congress

September 8–11, 2004
Aachen, Germany
President: A. Thron

XXX Congress

September 15–18, 2005
Barcelona, Spain
President: J. Rusalleda

XXXI Congress

September 13–16, 2006
Geneva, Switzerland
President: D. Rüfenacht

Future Congresses**XXXII Congress**

September 20–23, 2007
Genova, Italy
President: P. Tortori Donati

XXXIII Congress

September 25–28, 2008
Krakow, Poland
President: M. Sasiadek

XXXIV Congress

September 2009
Athens, Greece
President: A. Gouliamos

**European Course
in Paediatric Neuroradiology****Past Courses****I Course**

October 6–11, 1995
Marseille, France
President: Ch. Raybaud

II Course

April 15–18, 1999
Rapallo, (Genova) Italy
President: P. Tortori Donati

III Course

October 8–12, 2003
Brienz, Switzerland
President: E. Martin Fiori

Future Course

April 16–19, 2008
London, UK
President: Kling Chong

Symposium Neuroradiologicum**Past Symposiums****I Symposium**

1939
Antwerp, Belgium
President: R. Thienpont

II Symposium

1949
Rotterdam, The Netherlands
President: B. G. Ziedses des Plantes

III Symposium

1952
Stockholm, Sweden
President: E. Lindgren

IV Symposium

1955
London, United Kingdom
President: J.D.W. Bull

V Symposium

1957
Brussels, Belgium
President: Donald L. McRae

VI Symposium

1961
Rome, Italy
President: G. Ruggiero

VII Symposium

1964
New York, USA
President: J. Taveras

VIII Symposium

September 25–30, 1967
Paris, France
President: H. Fischgold

IX Symposium

August 24–29, 1970
Gothenburg, Sweden
President: I. G. Wickbom

X Symposium

March, 10–16, 1974
Punta del Este, Uruguay
President: N. Azambuja

XI Symposium

June 4–10, 1978
Wiesbaden, Germany
President: S. Wende

XII Symposium

October 10–16, 1982
Washington D.C., USA
President: G. di Chiro

XIII Symposium

June 23–28, 1986
Stockholm, Sweden
President: T. Greitz

XIV Symposium

June 17–23, 1990
London, United Kingdom
President: G. du Boulay

XV Symposium

Sept. 25–Oct. 1, 1994
Kumamoto, Japan
President: M. Takahashi

XVI Symposium

May 15–17, 1998
Philadelphia, USA
President: S.K. Hilal,
Vice President: S.A. Kiefferx

XVII Symposium

August 18–23, 2002
Paris, France
President: L. Picard

XVIII Symposium

March 19–24, 2006
Adelaide, Australia
President: M. R. Sage

Future Symposia**XIX Symposium**

2010
Bologna, Italy
President: M. Leonardi

The European Course in Neuroradiology

The European Course in Neuroradiology has been a story of success ever since the first course in Toulouse in 1984. More than 500 young neuroradiologists have completed the cycle of three courses over the past 21 years. The ECNR was conceived as a means to create a common and shared culture, common meeting points and a common standard of knowledge. The form that was adopted and used for the coming 6 cycles, each consisting of three courses, included the major bodies of knowledge as described by the headlines; intracranial nervous system, the spine and spinal cord and the base of the skull, maxillofacial and head and neck neuroradiology.

Past Courses

First Cycle

First Course

Intracranial Nervous System
September 9–13, 1984, Toulouse
Organization: C. Manelfe

Second Course

Skull Base
September 2–5, 1985, Ancona
Organization: U. Salvolini

Third Course

Spine and Spinal Cord
September 8–11, 1986, Brussels
Organization: D. Balériaux

Second Cycle

First Course

Intracranial Nervous System
September 2–5, 1987, Barcelona
Organization: J. Rusalleda

Second Course

Skull Base
August 22–26, 1988, London
Organization: B. Kendall

Third Course

Spine and Spinal Cord
May 7–11, 1989, Lund
Organization: S. Cronqvist

Third Cycle

First Course

Intracranial Nervous System
September 4–8, 1990, Milan
Organization: G. Scotti

Second Course

Skull Base
July 9–13, 1991, Frankfurt
Organization: H. Hacker in
conjunction with: 1st ESNR
Course in Interventional
Neuroradiology
Organization: J. Moret
and A. Valavanis

Third Course

Spine and Spinal Cord
May 15–19, 1992, Corsica
Organization: Ch. Raybaud

Fourth Cycle

First Course

Intracranial Nervous System
May 28–June 1, 1993, Algarve
Organization: A. Goulao

Second Course

Skull Base
June 9–13, 1994, Maastricht
Organization: J. Valk, J. Wilmink

Third Course

Spine and Spinal Cord
May 26–30, 1995, Prague
Organization: P. Kalvach

Fifth Cycle

First Course

Intracranial Nervous System
May 18–22, 1996, Tylösand
Organization: K. Ericson

Second Course

Skull Base
May 31–June 4, 1997, Leuven
Organization: G. Wilms

Third Course

Spine and Spinal Cord
May 22–27, 1998, Bologna
Organization: M. Leonardi

Sixth Cycle

First Course

Intracranial Nervous System
June 11–16, 1999, Illetes
Organization: L. Pons

Second Course

Skull Base
May 19–24, 2000, Opio
Organization: P. Lasjaunias

Third Course

Spine and Spinal Cord
May 12–17, 2001, Antalya
Organization: E. T. Tali

ECNR - the new concept

The ongoing work within the ESNR, through the established European Board of Neuroradiology, is focused on establishing a European certification in Neuroradiology. This work will initially have to concentrate on the development of European standards of training in neuroradiology. One of the corner stones of such a program is an assessable and lasting common training program. Specialist training in Europe is officially monitored and regulated by UEMS, a Brussels based organisation of representatives for established medical specialities. UEMS defines three arms of specialist training; knowledge, competence and attitude. The mandate of UEMS can be defined as an administrative way of establishing a European certification in a medical speciality, i.e. Neuroradiology. An alternative way of establishing European standards of training in neuroradiology would be using an academic way. An Academic certification can be designed as a Master of Medical Sciences with major in Neuroradiology. Such programs can be established locally, e.g. in Barcelona and Stockholm. Although academic Master programs may have a very high standard of training, they do not provide any official license to practice neuroradiology in any European country.

The recommendations of UEMS, as well as any Master program, include theoretical training in key subjects for a certain speciality. Acceptable theoretical training must include defined curricula as well as examinations. Furthermore, it should be possible to complete a medical speciality or a Master program in two years. Harmonisation with these rules and regulations are the very strong reasons to change the format of ECNR to include four courses given over a two- year-cycle. It was felt that this would also be a good time to change the topics of ECNR to reflect a wider scope of neuroradiology from a standpoint of knowledge rather than that of practice. This change will increase our possibility to include anatomists, clinicians and interventionalists in the faculties.

The following topics have been chosen, each to be covered in six full days of lectures and work shops:

- Anatomy, congenital malformations and genetics.
- Trauma, Infection , Inflammation and Degenerative Disease
- Tumours of the Brain and Spinal Canal
- Vascular Disease of the Brain and Spinal Canal

Seventh Cycle

Scientific Director: Guido Wilms (Leuven)

First Course

Embryology, Anatomy, Malformations
Crieff, October 4–11, 2002
Local Director: Wendy J. Taylor

Second Course

Tumours of the CNS
Riga, April 11–18, 2003
Local Director: Cosma Andreula

Third Course

Vascular Disease of the CNS
Malta, October, 24–30, 2003
Local Director: Athanassios Gouliamos

Fourth Course

Trauma and Degenerative Disease of the CNS
Riga, April 23–27, 2004
Local Director: Johan Van Goethem

Ninth Cycle

Scientific Director: Ernst-Wilhelm Radü

First Course: Embryology/Anatomy/Malformations/Genetics - Basel, October 20–24, 2006

Second Course: Tumours of the CNS - Basel, March 23–27, 2007

Third Course: Vascular Diseases of the CNS - Basel, September 7–11, 2007

Fourth Course: Trauma/Degenerative Diseases of the CNS - Basel, February 8–12, 2008

Eighth Cycle

Scientific Director: Ernst-Wilhelm Radü

First Course

Embryology/Anatomy/Malformations/Genetics
Basel, October 22–26, 2004

Second Course

Tumours of the CNS
Basel, March 18–22, 2005

Third Course

Vascular Disease of the CNS
Basel, October 21–25, 2005

Fourth Course

Trauma and Degenerative Disease of the CNS
Basel, March 10–14, 2006

The Refresher Course of the ESNR

Preceding the annual congress, a one-day long *Refresher Course* is offered to the members of the Society each year. This new educational activity of the ESNR, initiated in 1987, is conceived to enhance and increase the clinical and biological background of Neuroradiologists; to refresh pertinent anatomic knowledge and to update recent advances in imaging techniques and in the diagnostic management of neurological as well as head and neck diseases.

1st Introductory Course

September 8, 1987, Udine

Topics: Artificial Intelligence
MRI

1st Refresher Course

October 9, 1991, Zurich

Topics: Venous disorders of the brain
Cranial base extension of nasopharyngeal tumors
Cervical spine
Congenital anomalies of the anterior cranial base

2nd Refresher Course

September 8, 1992, Stockholm

Topic: Traumatic brain injury in adults and children

3rd Refresher Course

September 8, 1993, Bruges

Topic: Neuroradiology of the cerebral fluid spaces and their disorders

4th Refresher Course

June 15, 1994, Nancy

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September 20, 1995, Budapest

Topic: Neuroimaging of the craniocervical junction

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September 18, 1996, Milan

Topic: Functional neuroanatomy of motion and vision: the role of the
Neuroradiologist, from research to clinical practice.

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September 17, 1997, Oxford

Topic: Ischaemic Stroke

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Topic: Arteriovenous Malformations

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September 7, 1999, Vienna

Topic: MR in Neuroradiology - Update and State of the Art

10th Advanced Course

September 10, 2000, Oslo

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September 13, 2001, Ancona

Topic: Advances in Neurosciences

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September 11, 2003, Istanbul

Topic: Foundation in Neuroimaging

13th Advanced Course

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