The ISRN is an “open” multidisciplinary Society in evolution. Many different souls inspire new trends in many different neurosurgical fields, all dealing with “neurosurgical reconstruction”. Spine and peripheral nerves reconstructive surgery, central nervous system revascularization (surgical, radiointerventional), neuromodulation, bioengineering and transplantation are the recent tools to promote reconstruction, restoration and rehabilitation. These are the three key words of our creed and all fulfill the aim of ISRN, dealing with mechanical morphological and functional restoration. Spinal, functional, vascular, radio and oncologic neurosurgeons are the addressees of our proposal along with biologists, bioengineers, anatomists physiologists, physiotherapists who are precious and irreplaceable inspirers.

Massimiliano Visocchi
Institute of Neurosurgery Catholic University of Rome
On September 12, at the end of WFNS Interim Meeting Congress, a shuttle service will transfer the speakers to Cerveteri to Palazzo Ruspoli Main Room, Sala Ruspoli Piazza S. Maria Cerveteri (Roma).

**PALAZZO RUSPOLI**

Built in 1533, it was incorporated in the city walls when the Orsini rebuilt these. The Ruspoli family later altered it inside and outside. In 1760 Cardinal Acciupididi had a passage built connecting Palazzo Ruspoli to the church of Santa Maria Maggiore.
15:00 - 19:30 SPINE AND SPINAL CORD RECONSTRUCTION
(instrumentation and fusion, bioengineering, transplantation)

Chairman: F. Tomasello (Italy), C. Di Rocco (Italy)
Discussant: R. Delfini (Italy), A. Barbanera (Italy)

15:00  Spinal dysraphisms: past present and future  
       C. Di Rocco, Italy

15:10  Complex cervical spine reconstruction: CVJ, upper cervical spine  
       P. Ciappetta, Italy

15:20  Endoscopic endonasal surgery for skull base lesions: how was it born?  
       P. Cappabianca, Italy

15:30  Endoscopic endonasal surgery for skull base lesions: main emphasis on reconstruction  
       N. Saeki, Japan

15:40  CVJ: Transnasal approach: how, when, why?  
       G. Paludetti, Rome, Italy

15:50  Transoral approach: how, when, why?  
       M. Visocchi, Rome, Italy

16:00  Cranio Vertebral Junction Instrumentation and Fusion  
       R. Delfini, Italy

16:10  Disk reconstruction: Disk prosthesis  
       G. Barbagallo, Italy

16:20  Thoracic spine surgery: what’s new?  
       G. Innocenzi, Italy

16:30  Extreme lateral transpsoas extracavitary approaches to the lumbar spine  
       M. Neroni, Italy

16:40  Intraoperative neurophysiological monitoring during spine surgery and its impact on postoperative functional outcome: state of the art and perspectives  
       A. Germanò, Italy
16:50 - 17:30 DISCUSSION

CNS NEUROSTIMULATION
(Cortex, Deep Brain, Spinal cord)

Chairman: Y. Katayama (Japan), J. Zhong (China)
Discussant: J.W. Chang (Korea), Y.H. Chiang (Taiwan)

17:30 Special lecture: In memory of C.A. Pagni  K. Von Wild, Germany
17:40 Motor cortex stimulation  P.M. Rossini, Italy
18:00 Corticomotor facilitation in patients with disorder of consciousness  M. Sarà, Italy
18:10 Deep brain Simulation for Parkinson’s Disease  Y. Katayama, Japan
18:20 Pallidotomy: is there still a role in Parkinson disease surgery?  G. Iacopino, Italy
18:30 Functional surgery of the brainstem: toward a new stereotaxys  P. Mazzone, Italy
18:40 Surgical approaches to the brain stem: the role of anatomical and physiological guidance  M. Arraez, Spain
18:50 Vagal nerve stimulation for Epilepsy  V. Esposito, Italy

19:00 - 19:20 DISCUSSION
RUSPOLI - Sala Francesco

18:00 - 19:30 COMMUNICATIONS AND PARALLEL SECTION CHAIRED BY THE SECTION OF SPINE SURGERY AND ENDOSCOPY OF THE ITALIAN SOCIETY OF NEUROSURGERY

F. Guida (Italy), G. Innocenzi (Italy),
D. Locatelli (Italy), P. Oppido (Italy)

Spine Reconstruction – dynamic vs. rigid

Methods of Reconstruction

Endoscopic Spine surgery

Augmentation of vertebral body strength by kyphoplasty

Ablation techniques in spine metastases – what do we know?

19:30 CERVETERI MUSEUM

21:00 DINNER
PALAZZO RUSPOLI - Main Room

8:30 - 13:30 NEUROSTIMULATION, PERIPHERAL, CRANIAL NERVES AND FUNCTIONAL NEUROSURGERY

Chairman: H.J. Chen (Taiwan), V. Esposito (Italy)
Discussant: K. Von Wild (Germany), D. D’Avella (Italy)

8:30 DBS for involuntary movement  
C. Fukaya, Japan

8:40 Deep Brain Stimulation for behavioural disorders  
A. Franzini, Italy

8:50 Developing portable deep brain stimulation systems for small animal.  
J.W. Chang, Korea

9:00 Cerebrospinal stimulation therapy for VS and MCS  
T. Yamamoto, Japan

9:10 Spinal cord stimulation for post-stroke pain  
T. Yamamoto, Japan

9:20 Functional neuroaugmentative revascularization of the brain: the role of SCS. State of Art  
M. Visocchi, Italy

9:30 Bowel, bladder dysfunctions: functional neurosurgery  
A. Lavano, Italy

9:40 Auditory functions preservation and “functional” reconstruction in acoustic neurinoma surgery  
D. D’Avella, Italy

9:50 Surgical strategies for trigeminal neuralgia  
A. Delitalia, Italy

10:10 Personal Experience with 4000 Microvascular Decompression Surgeries  
L. Shi Ting, China

10:20 Radiosurgical treatment of trigeminal neuralgia  
C. Giorgi, Italy

10:30 A New Understanding of the Offending Artery in the Mechanism of Hemifacial Spasm  
J. Zhong, China
10:40 - 11:00 DISCUSSION

PERIPHERAL NERVES

Chairman: W. Zhang (China), H.J. Chen (Taiwan)
Discussant: A. Alexandre (Italy), G. Stevenato (Italy)

11:00 Brachial Plexus surgery  G. Stevanato, Italy
11:00 Reconstructive neurosurgery of lumbosacral plexus traumatic lesions  A. Alexandre, Italy
11:20 Treatment of chronic pain by peripheral nerve lesioning  H.J. Chen, Taiwan
11:30 Nerve Decompression in patients with neuropathy  W. Zhang, China
11:40 External prosthesis complex systems to rehabilitate movements  C. Jovine, Italy
          B. Privitera, Italy

RUSPOLI - Sala Francesco

11:30 Communications and Parallel section chaired by the Section of Functional Neurosurgery of the Italian Society of Neurosurgery and INS Italian Chapter

          A. Landi, Italy
          G. Colini Baldeschi, Italy
          Y.H. Chiang, Taiwan
          A. Dario, Italy

12:30 Communications and Parallel section chaired by the Peripheral Nerves Surgery Section of SINCh Section

          G. Stevanato, Italy
          A. Alexandre, Italy

13:30 LUNCH
15:00 - 19:00 FUNCTIONAL IMAGING, NEUROSURGERY AND NEUROPHYSIOLOGY

Chairman: P.M. Rossini (Italy), M. Mehedorn (Germany)
Discussant: V. Esposito (Italy), Y.H. Chiang (Taiwan)

15:00  fMRI pre-intra operative tractography in Neurosurgery: The experinece of Sant’Andrea
       G. D’Andrea, Italy

15:10  Surgical Anatomy: the role of cadaver lab and new 3D visual systems in mapping CNS
       A. Bernardo, USA

15:20  Peroperative and Intraoperative brain stimulation in eloquent area surgery
       V. Esposito, Italy

15:40  Awake craniotomy
       M. Mehedorn, Germany

15:50  Awake craniotomy combined with minimally-invasive techniques: a fair surgery approach for brain tumors
       U. Godano, Italy

16:00  Awake craniotomy for intracranial lesions: a proposal for a simplified intraoperative protocol
       A. Spallone, Italy

16:10  The role of multimodal functional pre and intraoperative imaging, mapping and neurophysiological monitoring for surgery of brain tumors located in eloquent areas
       A. Germanò, Italy

16:20  MRI guided capsulotomy for major Psychiatric diseases
       B. Sun, China

16:40  Endoscopic reconstruction of CSF pathways in ventricular tumors
       P. Oppido, Italy

16:50 - 17:10 DISCUSSION
**NEUROVASCULAR**

**Chairman:** F. Tomasello (Italy), A. Pasqualin (Italy)
**Discussant:** A. Santoro (Italy), M. Fontanella (Italy)

17:10 History of intra - extracranial vascular bypasses  
*F. Tomasello, Italy*

17:20 When to operate an aneurism?  
*A. Raco, Italy*

17:30 Reconstructing cerebral vessels: interventional neuroradiology  
*A. Pedicelli, Italy*

17:40 Reconstructing cerebral vessels: neurosurgery  
*A. Santoro, Italy*

17:50 Reconstruction of vascular network by radiosurgery  
*C. Giorgi, Italy*

18:00 Cerebral aneurisms: surgical indications  
*A. Pasqualin, Italy*

18:10 Cerebral cavernomas and surgical indications  
*M. Fontanella, Italy*

18:20 Complex Intracranial aneurysm  
*E. Marchese, Italy  
A. Albanese, Italy  
A. Puca, Italy*

18:30 Mith and truth in CNS radioteraphy: controversies on vascular indications  
*A. Wolf, USA*

18:40 - 19:00 DISCUSSION

RUSPOLI - Sala Francesco

15:00 Meeting of the Board of the ISRN in conjunction with Neurorehabilitation Committee WFNS

17:00 Communications and Parallel section chaired by the Section of Neurovascular surgery of the Italian Society of Neurosurgery  
*A. Pasqualin, Italy  
L. Lattanzi, Italy*

17:00 - 18:00 ETRUSCAN NECROPOLIS NOCTURNAL TOURISTIC TOUR

21:00 DINNER
**PALAZZO RUSPOLI - Main Room**

**8:30 - 12:30 NEUROTRAMA**  
*New trends in diagnosis, therapy and rehabilitation*

**Chairman:** F. Servadei (Italy), T. Yamamoto (Japan)  
**Discussant:** W.T. Chiu (Taiwan), Y.H. Chiang (Taiwan), S. Signoretti (Italy)

**8:30**  
The impact of time, legislation and geography on the epidemiology of traumatic brain injury  
*W.T. Chiu, Taiwan*

**8:40**  
World Federation Trends on Brain Injury  
*F. Servadei, Italy*

**9:00**  
Post-injury hydrocephalus: the present and the future perspectives  
*S. Signoretti, Italy*

**9:10**  
New Insights into the Pathophysiology and Pathobiology of Traumatic Brain Injury and their Potential Therapeutic Modulation  
*M. Visocchi, Italy*

**9:20**  
Experimental models of intracranial hypertension  
*C. Anile, Italy*

**9:40**  
Cranial Reconstruction in head trauma  
*M. Caldarelli, Italy*

**10:00**  
Neurotransplantation in brain injury models  
*B. Sun, China*

**10:10**  
Neurorehabilitation in brain injury  
*K. Von Wild, Germany*

**10:20**  
Robotic Arm Training for stroke patients: is it more effective  
*W.S. Poon, Hong Kong*

**10:40 - 11:00 DISCUSSION**

**OPEN COFFEE**
SEPTEMBER 14, 2015

12:00 - 12:30 FOCUSUS ON MECHANICAL RECONSTRUCTION

12:00  Craniofacial trauma and reconstruction: state of art
       G. Paludetti, Italy
       M. Caldarelli, Italy

RUSPOLI - Sala Francesco

13:00  Communications and Parallel section chaired by the Section of Neurotrauma of the Italian Society of Neurosurgery
       C. Iaccarino, Italy
       S. Signoretti, Italy
       W.S. Poon, Hong Kong

CONGRESS CLOSURE
BOARD MEMBERS

WFNS NEUROREHABILITATION AND RECONSTRUCTIVE NEUROSURGERY COMMITTEE AND ISRN (2013 ~)

Honorary Chairman: Klaus Von Wild (Germany)
Chairman: Maximilian Mehdorn (Germany)
Vice-Chairman: Wai S. Poon (Hong Kong)
Vice-Chairman: Jin Woo Chang (Korea)

SECRETARY

Han-Jung Chen (Taiwan)
Yung-Hsiao Chiang (Taiwan)
Wen-Ta Chiu (Taiwan)
Byung Chul Son (Korea)
Terry Coyne (Australia)
Paresh K. Doshi (India)
Chikashi Fukaya (Japan)
Zhang-Jian Guo (China)
Ryoong Huh (Korea)
Sang Ryung Jeon (Korea)
Yoichi Katayama (Japan)
Michael Murphy (Australia)
Ali R. Rezai (USA)
Bomin Sun (China)
Massimiliano Visocchi (Italy)
Takamitsu Yamamoto (Japan)
Jianguo Zhang (China)
The largest Etruscan cemetery reflects different types of burial practices from the 9th to the 1st century BC, and bear witness to the achievements of Etruscan culture which over nine centuries developed the earliest urban civilization in the northern Mediterranean. Some of the tombs are monumental, cut in rock and topped by impressive tumuli (burial mounds). Many feature carvings on their walls, others have wall paintings of outstanding quality.

The necropolis near Cerveteri, known as Banditaccia, contains thousands of tombs organized in a city-like plan with streets, small squares and neighbourhoods. The site contains very different types of tombs: trenches cut in rock, tumuli, and some, also carved in rock, in the shape of huts or houses with a wealth of structural details. These provide the only surviving evidence of Etruscan residential architecture.

**NECROPOLIS OF THE BANDITACCIA**

The most famous attraction of Cerveteri is the Necropoli of Banditaccia, which has been declared by UNESCO a World Heritage Site together with the necropolis in Tarquinia. It covers an area of 400 hectares (990 acres), of which 10 hectares (25 acres) can be visited, encompassing a total of about 1,000 tombs often housed in characteristic mounds. It is the largest ancient necropolis in the Mediterranean area. The name Banditaccia comes from the leasing (bando) of areas of land to the Cerveteri population by the local landowners.

The tombs date from the 9th century BC (Villanovan culture) to the later Etruscan period (3rd century BC).
The earliest tombs are in the shape of a pit, in which the ashes of the dead were housed; also simple potholes are present. From the Etruscan period are two types of tombs: tumulus-type tombs and the so-called “dice”, the latter being simple square tombs built in long rows along roads within the necropolis. The visitable area contains two such roads, the Via dei Monti Ceriti and the Via dei Monti della Tolfa (6th century BC).

The tumuli are circular structures built in tuff, and the interiors, carved from the living rock, house a reconstruction of the house of the dead, including a corridor (dromos), a central hall, and several rooms. Modern knowledge of Etruscan daily life is largely dependent on the numerous decorative details and finds from such tombs. One of the most famous tombs is the so-called Tomba dei Rilievi (Tomb of the Reliefs, 3rd century BC), identified from an inscription as belonging to one Matunas and provided with an exceptional series of frescoes, bas-reliefs and sculptures portraying a large series of contemporary life tools.

The most recent tombs date from the 3rd century BC. Some of them are marked by external cippi, which are cylindrical for men, and in the shape of a small house for women.

A large number of finds excavated at Cerveteri are in the National Etruscan Museum, Rome, with others in the Vatican Museums and many other museums around the world. Others, mainly pottery, are in the Archaeological Museum at Cerveteri itself.
With an original core dating back to the 12th century, the evocative mediaeval castle of Cerveteri was once the domain of the princes of Ruspoli. The collections constitute a clear chronological sequence of documentation covering the various cultural phases through which Cerveteri and the surrounding area passed in the course of their early history, from the 9th century BC to the advent of the Romans. The museum’s more particularly interesting artefacts include several groups of grave goods from tombs dating from the 7th to the 4th centuries BC, featuring a wealth of objects imported from various areas of the Greek world and the near east, as well as items produced locally, including goblets from Rhodes, perfume phials made in Corinth, amulets in the Egyptian manner, large ollas decorated with gryphon heads inspired by the Orient, vases with lively illustrations of Greek mythology, wooden objects and various statues of lions and sphinxes carved in tufa, as well as the celebrated statue of the Etruscan demon tuchulcha.

OTHERS

- The Rocca (castle)
- Church of Santa Maria Maggiore, including a medieval section reachable from the 1950s addition through a triumphal arch.
- Palazzo Ruspoli, rebuilt as baronal palace by the Orsini in 1533. The portico and the loggia on the façade are from the 17th century. It is connected to Santa Maria Maggiore through a passetto (enclosed bridge), built in 1760.
- The small Church of Sant’Antonio Abate, with a 1472 fresco by Lorenzo da Viterbo.
- The medieval burgh of Ceri
- Castle of Cerenova

CERVETERI DOC

Around the city of Cerveteri is an Italian DOC wine region that produces red and white blended wines. The red wines are blends of 60% Sangiovese and Montepulciano, 25% Cesanese and up to 30% of Canaiolo, Carignan and Barbera. The grapes are limited to a harvest yield of 15 tonnes/ha and the final wine must have a minimum alcohol level of 11%. The white wines are composed of a minimum blend of 50% Trebbiano, Romagnolo and Giallo, a maximum of 35% Malvasia di Candia and a maximum of 15% Friulano, Verdicchio, Bellone and Bombino bianco. The grapes are limited to a harvest yield of 14 tonnes/ha and the final wine must have a minimum alcohol level of 12%.
Albanese A.
Alexandre A.
Anile C.
Arraez M.
Barbagallo G.
Barbanera A.
Bellantone R.
Bernardo A.
Caldarelli M.
Cappabianca P.
Chang J.W.
Chen H.J.
Chiang Y.H.
Chiu W.T.
Ciappetta P.
Colini Baldeschi G.
Coyne T.
D’Andrea G.
D’Avella D.
Dario A.
Delfini R.
Delitala A.
Di Rocco C.
Doshi P.K.
Esposito V.
Fontanella M.

Franzini A.
Fukaya C.
Germanò A.
Giorgi C.
Godano U.
Guida F.
Guo Z.J.
Huh R.
Iaccarino C.
Iacopino G.
Innocenzi G.
Jeon S.R.
Jovine C.
Katayama Y.
Landi A.
Lattanzi L.
Lavano A.
Locatelli D.
Marchese E.
Mazzone P.
Medhorn M.
Murphy M.
Neroni M.
Oppido P.
Paludetti G.
Pasqualin A.
Pedicelli A.
Poon W.S.
Privitera B.
Puca A.
Raco A.
Rezai A.R.
Rossini P.M.
Saeki N.
Santoro A.
Sarà M.
Servadei F.
Shi Ting L.
Signoretti S.
Spallone A.
Stevanato G.
Sun B.C.
Sun B.
Tomasello F.
Visocchi M.
Von Wild K.
Wolf A.
Yamamoto T.
Zhang W.
Zhang J.
Zhong J.
The abstracts must be sent to Massimiliano Visocchi (cell. +39360807781) mvisocchi@hotmail.com and to CEC Comunicazione Eventi Congressi info@cecongressi.it within July 20, 2015

Among the best presentations, the Scientific Committee along with the Guest Editor Massimiliano Visocchi will qualify the papers to be published in the journal Acta Neurochirurgica suppl. as full articles and abstracts.

UNDER THE PATRONAGE OF THE FOLLOWING SOCIETIES:

WFNS  
Vice president  
Francesco Tomasello (Italy)

President of the Educational Committee  
Concezio Di Rocco (Germany)

President of the Neurorehabilitation Committee  
Jin Woo Chang (Korea)

EANS  
Vice President  
Domenico D’Avella (Italy)

ISRN  
President  
Maximilian Medhorn (Germany)

SINCh  
President  
Alberto Delitala (Italy)

UCSC  
President Catholic University of Rome  
Prof. Rocco Bellantone (Italy)
REGISTRATION

The attendance fee is €100,00, for the interns the fee is €50,00.
The registration fee must be paid on bank account of the organizing secretariat at the following extremes: c/c n. 4385X11 - ABI: 5696 - CAB: 03210 - CIN: J - Banca Popolare di Sondrio - Ag. 10 Eur Laurentina - IBAN: IT83J0569603210000004385X11 SWIFT CODE: POSOIT22 payable to: CEC COMUNICAZIONE EVENTI CONGRESSI SRL

The registration form should be sent to the Organizing Secretariat by fax to the number +39 06 6551406 or by email to the address info@cecongressi.it

LOCAL ORGANIZING COMMITTEE:

The Major of Cerveteri A. Pascucci, The Town Council of Culture F. Pulcini,
The Director of the Newspaper “La Voce d’Etruria“ A. Sava,
The Former Town Council C. Biagini

LOCAL SCIENTIFIC COMMITTEE:

G. La Rocca, F. Signorelli, G. Pappalardo,
P. Mattogno, E. Peppucci, L. Ricciardi, F. De Falco

CHAIRMAN OF THE LOCAL COMMUNICATIONS COMMITTEE:

A. Sava

LOCAL INTERNATIONAL COMMITTEE:

The Board of ISRN and Neurorehabilitation Committee WFNS

UNDER THE PATRONAGE OF:

Ministero della Difesa, Comando Generale della Sanità dell’Arma dei Carabinieri,
Ministero della Sanità del Bahrain, Regione Lazio,
Comune di Cerveteri, Principato di Cerveteri