World Neurology Goes Digital, Silberberg Named Editor

Donald H. Silberberg

Dr. Silberberg has been an invited lecturer or has been a visiting professor in most parts of the world, including Africa, Asia and South America. He has more than 300 publications to his name and has written or edited six books, one of them on organizational delivery of neurological disorders and three on global neurology and health.

It is hard to think of a more qualified individual, who will also serve as an Associate Editor of the Journal of Neurological Sciences, the official publication of the World Federation of Neurology, beginning July 1, 2013. He will be in a unique position to support the WFN mission by fostering “quality neurology and brain health worldwide,” by a creative interaction between World Neurology, the WFN website and the Journal of Neurological Sciences.

Dr. Silberberg, a very warm welcome! •

Hachinski is president of the World Federation of Neurology.

WFN ELECTIONS 2013

Nominating Committee Recommendations

Three officers and one trustee are to be elected at the Council of Delegates Annual General Meeting (AGM) in September during the World Congress of Neurology in Vienna. The nominating committee of the World Federation of Neurology now recommends to the membership those listed here as candidates in accordance with the Federation’s Memorandum and Articles of Association.

Recommended candidates

President
(to take office WEF, Jan. 1, 2014)
Werner Hacke, Germany
Raad Shakir, UK

First Vice President
(to take office WEF, Jan. 1, 2014)
William Carroll, Australia
Ryuji Kaji, Japan

Secretary-Treasurer General
(to take office WEF, Jan. 1, 2015)
Stanley Fahn, USA
Wolfgang Grisold, Austria

One Elected Trustee
(to take office WEF, September 2013)
Donna Bergen, USA

Candidates’ biographical details and statements of their goals and objectives for the organization will be published shortly.

If you are interested in nominating another individual:
• Obtain the supporting signatures of five or more authorized WFN delegates.
• Submit the name(s) of the individual(s) in question to the Secretary-Treasurer General, c/o the WFN headquarters office, by Aug. 15, 2013. •

WFN Launches Coma and Disorders of Consciousness Research Group

WFN trustees approved a newly created Applied Research Group.

Gerrit Grijns in Java

Beriberi and the concept of partial starvation.

JNS Shows Growth, Improved Reach

Summary of manuscript submissions and country representation in the Journal of Neurological Sciences.

WFN, TNS Team to Present Turkish Initiative

The WFN and the Turkish Neurological Society are partnering to present a learning initiative.

INSIDE

World Congress of Neurology Update

Attendance and promotion of neurology were up at last year’s World Congress, which bodes well for this year’s congress in Vienna.

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**Advances for World Neurology**

I t is both an honor and a challenge to assume the editorial responsibility for World Neurology as it is transformed into a truly contemporary publication, available exclusively online. Since 1984, my distinguished predecessors, Jagjit Chopra, Mark Hallett and Johan Aarli, worked hard and effectively to refine the attractive print version that to many has become staple reading.

Although the initial motivation for the WFN leadership to make this change was lower publications costs, it soon realized that the advantages of instant access, the ability to embed references and website addresses (URLs), the addition of connecting via social networking sites, and the sheer absence of paper are far more important than cost reduction. The ability to access time is the European project to attempt to recreate brain function via supercomputer simulation, and the U.S. initiative to map the functions of all brain neurons. These projects represent the neuroscience follow-on to the 1990s “Decade of the Brain,” celebrated in many countries, that sought to enhance public and legislative awareness of brain science and disorders. As these projects gradually yield practical applications, we must keep in mind the fact that 90 percent of the world’s population lives in regions that have few if any neurologists or health workers trained in cogitate fields. We must do everything possible to provide the information and leadership that will benefit those with neurological disorders everywhere.

I look forward to working with all of you to take full advantage of our new ways to communicate.

**References**


Although the initial motivation for the WFN leadership to make this change was lower publications costs, it soon realized that the advantages of instant access, the ability to embed references and website addresses (URLs), the addition of connecting via social networking sites, and the sheer absence of paper are far more important than cost reduction.
Fulfilling Our Mission

Our mission is “to foster quality neurology and brain health worldwide.” That is a broad and challenging mandate. We are addressing it by involving individuals, organizations and alliances. The individual initiatives come through the Grants-in-Aid competition, open to all members of the World Federation of Neurology (WFN) and its member societies. The organizational approach is accomplished through the enhanced and expanded Committees and Initiatives. In addition, the WFN has successfully pursued alliances, which magnify the impact of our initiatives and that of our colleagues.

Grants
We held a second competition this year. The difference from last year was that we asked the participation of the leaders of other brain-related organizations, as I reported in my June 2012 column. We are happy to announce the following winners:

- Dr. Aisha Umar
  Proposal for training grant for neuroimaging training for neurology trainees and neurologists in West Africa, $23,000
- Dr. Chongtin Tan
  Visiting professor in Africa, $5,000
- Dr. Godwin Mamutse
  Neurology teaching in Zimbabwe, $14,450
- Dr. Marco Medina
  WFN Pan African regional proposal, $2,000
- Dr. Juriaan Peters
  BlazeEEG: A web-based EEG platform, $12,000
- Dr. Lionel Carmant
  Development of mobile clinic for neurological care in Haiti, $17,000
- Dr. Richard Walker
  Parkinson’s disease nurse specialist (jointly funded with the Movement Disorders Society), $22,080
- Professor Werner Poewe
  Movement Disorder Society Europe section and WFN fellowship program for unserviced countries in Africa (jointly funded with the Movement Disorders Society), $11,107
- Dr. Roberto Cilia
  Neurology training for non-neurologists in Ghana (jointly funded with the Movement Disorders Society), $20,000
- Dr. Cheryl Bushnell and Gabrielle DeWeber
  International maternal newborn stroke registry (jointly funded with the World Stroke Organization), $20,000

A new competition will take place in 2013, probably with enhanced funding and again in alliance with our partners. The amount that will be available will depend in part on how much money will be devoted to the priorities of the WFN Committees and Initiatives. We expect to also invest in the infrastructure to support the function of our Committees and Initiatives. We want to also invest in increasing our profile, which has been considerably enhanced in the recent past.

We are aware that most of the individuals applying for grants are not used to the process so we are pleased to offer for the 2013 competition the help of the Chairs of the Continental Initiatives to assign someone to make the grants more competitive. The chairs of the Initiatives are:

- Vladimir Hachinski, Africa Initiative
- Ryuji Kaji, Asia Initiative
- Gustavo Roman, Latin America Initiative

You may contact these chairs through Rebecca Clarke at rebecca.clarke@lhsc.on.ca.

Committees and Initiatives
At the moment, the Committees and Initiatives have access to organizing conference calls to communicate with its members. We are trying to make this easier and more efficient. The central office of the WFN will arrange for a minimum of meetings twice annually of all the Committees and Initiatives. This will be arranged by the central office so that the logistics of getting in touch with the participants will be conducted by the staff and not as in the past by the chair of the committee.

We will strive to have a standard method of recording meetings so this can be the basis of ongoing reports of the different Committees and Initiatives and available to the members of the respective committees and also to all the trustees. The idea is that the basis of this Committee and Initiatives report will provide the president for his newly planned communication with the trustees that will have a dedicated site on our website so that documents can be placed and be available for personal at any time.

Additional issues will be posed to the delegates asking for their comments and opinions, and at times, a vote in principle. This is again something that will be organized by the central office. We are also exploring the viability of having virtual meetings in between the annual face-to-face meetings to make sure that all 114 representatives of our member societies can participate and have more involvement by the delegates.

Please let me know if you think that we should have electronic voting on issues as required, e.g. every six months, once virtually and once face-to-face.

We will continue to work assiduously to put the brain on the world agenda. I was asked to contribute an article for the G8 meeting in Chicago. There were also articles contributed by U.S. President Barack Obama, German Chancellor Angela Merkel, U.K. Prime Minister David Cameron, policymakers and academics. Administration has been the willingness of other international and specialty organizations to work with us. We led the formation of the World Brain Alliance as reported in my June 2011 President’s column. The Brain Alliance involves all of the major brain-related organizations, including the International Brain Research Organization, the WFN and eight others.

The World Brain Alliance agenda includes advocacy. I represented the World Brain Alliance at a high-level ministerial meeting in April 2012 in Moscow and at the World Congress in Vienna in September 2012. We will continue to work assiduously to put the brain on the world agenda. I was asked to contribute an article for the G8 meeting in Chicago. There were also articles contributed by U.S. President Barack Obama, German Chancellor Angela Merkel, U.K. Prime Minister David Cameron, policymakers and academics.

WFN Council of Delegates 2012

The annual general meeting of the World Federation of Neurology (WFN) Council of Delegates was held Sept. 9, 2012, in Stockholm, during the 16th Congress of the European Federation of Neurological Societies (EFNS).

According to the constitution, WFN shall have at least one annual general meeting, the annual council of delegates, in the year between the world congresses. In 2010, it took place in Geneva, and in 2012, in Stockholm, both held at the annual EFNS meetings. By tradition, the EFNS congresses are always in September. There were approximately 3,200 delegates who were welcomed to Stockholm.

Vladimir Hachinski, president of the World Federation of Neurology, greeted the delegates and introduced the main topics of the meeting — continuity and change. He also thanked the congress organizers and the president of the successful World Congress in November 2011 in Marrakesh, Morocco, El Mostafa El Aloui Faris. This was the first World Congress of Neurology held in Africa.
More than 50 years ago, the World Federation of Neurology (WFN) was established to facilitate dialogue in neuroscience research. With the advent of enhanced travel, communication and, in particular, the Internet, neuroscience research has come to exist independently on the world stage and is self-sustaining. Neurology education, on the other hand, though to some extent supported by the same phenomena, is not globally self-sustaining.

Education methodology is constantly under review and differs substantially throughout the world. Though partly a function of those delivering education and of those being educated, there is, of course, much more to education than those variables alone. We believe that there is no better crucible to test neurology education than the world stage with all of its diversity.

The WFN Education Committee attempts to meet many of these diverse needs. Our strength is a function of the breadth of ideas defining our infrastructure, and the coalitions we form, to facilitate development and spreading of our activities.

Three years ago when we assumed the leadership of this committee, we recognized the need for enhanced staff support, and the WFN trustees responded to our request. We understood that our reputation for fairness, transparency and quality was essential, and therefore set about defining standard operating procedures (SOPs). We recognized, of course, that substantial variability in their application would be necessary, given the lack of homogeneity in our membership. For example, accrediting a teaching center in a remote region of Peru would be vastly different from endorsing a subspecialty training program in Melbourne, Australia. Both have been accomplished recently.

Our infrastructure is all but in place. The last vital element, the breadth and depth of the ideas we work with, remains to be built. There are 25 members of the WFN Education Committee and to date there has been minimal opportunity for exchange of ideas. The expansion of the WFN website and in particular the restricted area for committee members, to allow rapid exchange of ideas, is now in place.

We are attempting to encourage our committee and neurologists in all of our member countries to come together for education, by making available on the website our SOPs and pictures of the success of some of our programs. We will grow in our ability and our reach by your input. We look forward to your feedback.

We welcome the roll-out of this new electronic version of *World Neurology*, its new editor Don Silberberg and his editorial board. We look forward to the renewed growth of *World Neurology* and this method of revealing the education opportunities available for all members of the WFN.

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We encourage our committee and neurologists in all of our member countries to come together for education.
Education Committee Standard Operating Procedures

The following documents produced by the Education Committee are under constant review to best represent the needs of the WFN and its member countries.

Training Centers
The Training Centers initiative provides a uniform method for accreditation of training centers around the world to ensure quality training opportunities for neurologists. Application for WFN accreditation by local training centers must be in conjunction with the WFN country delegate. Completed applications are reviewed by the Education Committee co-chairs and others as necessary.

The latest Training Center accredited by the WFN was the neurology department of Trujillo University, Peru, in August 2012.

Department Visits
The WFN, the Turkish Neurological Society (TNS) have been working together for two years on a series of department visits, where African neurologists in training spend one month visiting a Turkish university hospital to experience different neurology training.

The WFN provides secretarial support through advertising and promotion of the visits to TNS delegates and hosts in the choice of trainees. The funding for the visit itself (including all accommodations and subsistence expenses) and the program for the trainee is arranged by the TNS.

Details of this year’s visit, which will take place in November 2013, have just been announced. The deadline for applications will be July 1, 2013, full details are available at www.wfneurology.org.

DIRECT TEACHING

Global Teaching Courses
Global Teaching Courses will provide a learning experience as a blend of local and international neurological and specialty societies work together to deliver courses and events. These courses are specifically focused on countries that may benefit from them.

This is a fairly new area for the Education Committee, and we anticipate that the WFN and the international societies will work together to develop and tailor existing courses during 2013.

WCN Teaching Courses
Education Committee Co-Chair Wolfgang Grisold is also chair of the WCN Teaching Course Committee. Dr. Grisold has developed a document that outlines the teaching course format for the WCN. This structured approach will be available to all WCN teaching course committees in the future to facilitate WCN teaching course development.

Continuum
Two hundred copies of the publication Continuum, Lifelong Learning in Neurology have been donated by the American Academy of Neurology to the WFN for dissemination. This donation is matched by the WFN. All 400 copies are sent to neurologic societies in 45 low-income countries free of charge by the WFN, which also provides these neurologists free Internet access. The completed CME program is scored by the WFN and certificates of completion are returned to respective delegates. This program has been well received and the number of responses continues to climb.

Subspecialty Accreditation
Over the past decade, parallelising the expansion of neurosciences knowledge, discrete subspecialties of neurology have evolved. Subspecialty education and training have become increasingly necessary to ensure delivery of the highest quality patient care. As a result, accreditation of subspecialty training programs of all varieties can now be accredited and endorsed by the WFN.

The latest subspecialty course to be endorsed was the Australia China Training Initiative of Neurology (ACTION), University of Melbourne, Melbourne Brain Center at Royal Melbourne Hospital, Jiangong University Affiliated First People’s Hospital and Fudan University Affiliated Huashan Hospital.

Grants Monitoring
Each year, the WFN Grants Committee awards funding to applicants to support research or education initiatives. These awards tend to be provided to individuals or groups who explore long-term, low-cost and sustainable solutions. The Education Committee monitors the progress of education grants using a standard monitoring template by the grantees at defined time intervals.

The Education Committee edits the reports required on completion of the grant and forwards these to the editor of World Neurology for consideration for publication.

A Worldwide Survey of Postgraduate Training in Clinical Neurology
The Education Committee supported Professor John Steck during 2012 in his research into neurological training and certification worldwide. The Education Committee sent a questionnaire to all WFN country delegates, which Professor Steck analyzed and discussed. The report produced by Professor Steck’s will be available on the WFN website shortly.

Students: Curriculum for Department Visit IFMSA
Working with the International Federation of Student Medical Associations (IFMSA), the Education Committee developed a checklist for students on neurological rotations to ensure acquisition of the necessary skills and exposure to the necessary knowledge base. A Memorandum of Understanding was signed by both organizations in 2011 for three years for mutual review and evolution of our relationship.

Communication
With Young Neurologists
The Education Committee has been working to communicate regularly with young neurologists. Walter Struhal, chair of the young neurologist subcommittee and member of the website subcommittee, has been working to develop interactive Twitter, Facebook and LinkedIn groups for young neurologists. These pages allow Dr. Struhal and his team to communicate the latest information from the WFN, other neurology groups and neurology news to followers and friends at the click of a button. Neurologists who don’t classify themselves as young are invited to join by finding JWCYN (International Working Group of Young Neurologists and Trainees) on Facebook or Twitter.

These media channels also will provide an active tool for WCN visitors to actively communicate with each other and the WFN.

Traveling Fellowships
The Education Committee reviews and awards scholarships to young neurologists who fulfill strict guidelines, awarding 19 during 2011, to enable them to attend neuroscience meetings around the world. We work together with the WCN to award up to 100 scholarships to attend the WCN meeting.

For more information on the initiatives that the Education Committee is involved with, or to find out how to apply for any of the above opportunities, please visit www.wfneurology.org.

World Congress of Neurology Update

BY RAAD SHAKIR

WFN takes stock and makes preparations during the years in between World Congresses. The WFN was successful with its Marrakesh Congress, thanks to our Moroccan organizers. The “With Africa, For Africa” slogan worked extremely well. The attendance of 3,217 delegates from 125 countries exceeded all expectations, and the scientific material presented was of a high standard. (See Figure 1 at left and Figure 2 on page 9.)

The quality and participation were excellent. The Marrakesh WCN was also a financial success. In the face of global austerity and the North African Arab spring, there was a handsome profit for all parties. The WFN decided in 2008 to allocate 20 percent of net profit to the Africa Initiative under the leadership of past President Aarli. The total profit was Euros 418,000. This is available for programs in Africa under the auspices of the Africa Initiative and with the full agreement of the WFN trustees.

WCN 2013 in Vienna is the next step for the WFN. Our Austrian colleagues are working hard to make all of the arrangements for a successful meeting, arrangements that are available to all, including funding for traveling fellows. The sponsorship is so far healthy, and we hope that it will continue to be so.

The role of the WFN in promoting neurology across the globe is galloping ahead and is made possible by availability of resources. As the elected officer responsible for finances, I encourage all neurologists from across the globe to participate in our congresses and our activities.

Learning about these is now made easier with our new and revamped website. Our financial adviser has assured that our investments continue to ride the storm of the financial meltdown, and they have performed well. It is important to emphasize that our independent financial adviser totally avoids any investment in unethical products such as those related to the tobacco or arms industries. I will provide details to all delegates in the annual audited report in September during the WCN 2013 in Vienna. This also means that we now have the ability to spend more on grants. In 2012, £150,000 was made available from our funds in grants. The Grants Committee has an application procedure that can be found on our website. We continue to support our regional...
WFN Launches Coma and Disorders of Consciousness Research Group

By Olivia Gosselies, PhD, and Steven Laureys, MD, PhD

The trustees of the World Federation of Neurology (WFN) recently approved a newly created Applied Research Group on Coma and Disorders of Consciousness, chaired by Steven Laureys. Its mission, consistent with the goals and objectives of the WFN, is to improve worldwide the knowledge and care of patients with brain death, coma, locked-in syndrome and chronic disorders of consciousness following severe acquired brain damage such as vegetative state/unresponsive wakefulness and minimally conscious state. We aim to achieve this mission by improving the best care, diagnosis, prognosis, treatment, prevention and scientific understanding; by facilitating multidisciplinary research, education and public awareness in this challenging field confronting neurological, epidemiological, neuroscientific (including in the fast growing fields of functional neuroimaging, electrophysiology, neuro-engineering and computational sciences), neuro-ethical, philosophical and legal expertise.

Coma is an acute condition of unarousability or unresponsive wakefulness and minimally conscious state. This condition has been recently subcategorized in “minimally conscious state” for patients who show non-behavioral evidence of consciousness or communication only measurable via compulsory testing (i.e., functional MRI, positron emission tomography, EEG or evoked potentials) can be considered to be in a functional locked-in syndrome. The presence or absence of consciousness is assessed at the patient’s bedside by search for response to command or non-reflexive behaviors in response to stimulation. Assessing the level of consciousness of noncommunicative brain-damaged patients is therefore difficult, as consciousness is a subjective first-person experience and you necessarily need to make inferences about its presence based on the patient’s behavior. In the acute setting, the Full Outline of UnResponsive state (i.e., UnResponsive UnResponsive syndrome) has been proposed as an alternative for the widely used Glasgow Coma Scale.

To disentangle vegetative/unresponsive from minimally conscious/responsive states, some scales have been validated such as the Coma Recovery Scale-Revised. Still, patients might present severe limitation from motor dysfunction (e.g., paralysis and spasticity), sensory deficit (e.g., deafness, blindness), impaired cognitive processing (e.g., aphasia, apraxia), fluctuation of vigilance and pain that can prevent voluntary responses. So even with the best clinical assessment, patients might be underestimated in terms of residual brain function and conscious awareness.

Indeed recent studies provide evidence for preserved awareness in some behaviorally unresponsive patients. For instance, using functional MRI or EEG, such patients may activate specific brain areas and generate appropriate brain responses when performing cognitive tasks on command (e.g., imagine to move), similar to those observed in healthy controls. These paradigms allow inferring conscious state and may even permit to communicate in some exceptional cases. However, more research and multi-centric collaboration is needed to validate the accuracy of these novel technologies at the single patient level. Similarly, the clinical value of prognostic markers ranging from simple behavioral signs to sophisticated brain measures such as diffusion tensor imaging or MEG requires continuing validation by large international cohort studies.

Clearly, severely brain-damaged patients and disorders of consciousness represent a major diagnostic, prognostic, therapeutic and ethical challenge for neurology.

Clinical examination

- Coma: No eye opening, no reflex behavior

- Unresponsive state: Eye opening, reflex behavior

- Minimally conscious state: Eye opening, non-reflexive behavior

- Emergence: Functional communication, functional use of objects

Locked-in syndrome

- No motor output

- Preserved cognition

- Ego-coded communication

Paraclinical examination

- Functional locked-in syndrome

- Dissociation between clinical diagnosis and neuroimaging results showing preserved higher cognitive functions

Table 1. Entities following a severe brain injury.

Dr. Gosselies is neuropsychologist at the Coma Science Group (Cyclotron Research Center, University and University Hospital of Liège, Belgium) and postdoctoral researcher at FNRS (Belgian National Fund for Scientific Research). Professor Laureys is director of the Coma Science Group, clinical professor of neurology, FNRS research director and chair of the European Neurological Society Subcommittee on Coma and Disorders of Consciousness.

Clearly, severely brain-damaged patients and disorders of consciousness represent a major diagnostic, prognostic, therapeutic and often ethical challenge for neurology.

Professor Mario Tolentino Dipp

1928-2012

 unquestionably, the father of Dominican neurology. Honest, studious in the extreme, a teacher by vocation, uniting worker, dedicated to his patients and his pupils. He gave of himself everything that can be expected from a great teacher and a great man.

Professor Tolentino died Sept. 27, 2012, from an aggressive cancer of the pancreas, which only allowed him three months of life following diagnosis. Until then, he was active both academically and in patient care. He became a Doctor of Medicine at University of Santo Domingo in 1953 and studied neurology and psychiatry at the University of Paris from 1953 to 1957. He trained at the birthplace of world neurology — the Salpetriere Hospital — under the direction of Professors Theophile Alajouanine, Paul Castaigne, Jean Nick and Jean Lhermitte. In St. Anne hospital, he had Professors Jean Delay, Pierre Pichot, Pierre Deniker and Theres Lemeniere. At the Foch hospital, he had as a guide Gerard Gouot.

From October 1953 to February 1957, he attended conferences by Professors Raymond Garce, Henry Eyt and Jacques Lacan. In February 1957, he obtained a state diploma in neurology, psychiatry given by the Faculty of Medicine at the University of Paris. At the end of 1957, he was appointed as a neurologist at the Hospital Salvador B. Gautier of the Dominican Institute of Social Security and became the chief, a job that was made official in 1962.

In 1962, he was made assistant professor of neurology at the University of Santo Domingo. In the same year, he was named professor in the School of Nursing. In 1963, he was appointed neurologist at the Center of Neurorehabilitation in Santo Domingo.

See TOLENTINO, page 3
Gerrit Grijns in Java: Beriberi and the Concept of ‘Partial Starvation’

BY DOUGLAS J. LANSKA, MD, MS, MSPH, FAAN

At the end of the 19th century, Dutch physician Gerrit Grijns (1865-1944) from the University of Utrecht, working in Java in the Dutch East Indies (now Indonesia), developed a dietary deficiency explanation of the nutritional neuropathy beriberi that presaged the “vitamin doctrine.” Although Grijns’ work was overshadowed by that of Christian Eijkman (1858-1930), his predecessor, Grijns developed a new pathophysiological concept — dietary deficiency of a micronutrient causing neurological disease, while Eijkman recognized a role of dietary factors, but never fully moved beyond increasingly improbable bacteriological mechanisms.

Initially, Grijns had been an assistant to Eijkman, and was later expected to continue Eijkman’s investigations after the latter returned to Holland in 1896. Eijkman had determined that beriberi was not due to a protein deficiency, but never fully moved beyond increasingly improbable bacteriological mechanisms. Unfortunately, Grijns’ important work presaging the “vitamin doctrine” was published in Dutch and not widely recognized at the time.

From 1902 to 1904, Grijns was on leave in Europe because of poor health, but he returned to Batavia in 1904 and resumed his position as subdirector in the laboratory, and eventually in 1912 was appointed director. Over the next five years, Grijns built and equipped a new laboratory and then returned to Holland in 1917. Subsequently, he briefly taught tropical hygiene in the Colonial Institute in Amsterdam and was conservator in Eijkman’s laboratory in Utrecht. From 1921 until mandatory retirement in 1935 at age 70, he was professor of Animal Physiology at the Agricultural University of Wageningen.

Unfortunately, Grijns’ important work presaging the “vitamin doctrine” was published in Dutch and not widely recognized at the time. In 1929, Eijkman shared the Nobel Prize in Physiology or Medicine with British biochemist Frederick Gowland Hopkins (1861-1947) for “their discovery of the growth stimulating vitamins,” an overstatement on both counts. The Nobel Prize Committee overlooked Grijns, and Eijkman also failed to give Grijns appropriate recognition in his Nobel Prize Lecture. Grijns’ research achieved wider recognition only after colleagues had his work translated and published in English in 1935. The Dutch government did belatedly recognize Grijn’s contributions by making him Commander in the Order of Orange-Nassau, a military and civil order of the Netherlands recognizing those “who have earned special merits for society” (comparable with the Order of the British Empire in the United Kingdom).

Additional Reading


Unfortunately, Grijns’ important work presaging the “vitamin doctrine” was published in Dutch and not widely recognized at the time.
The collaboration with the WFN continues. The major issue in neurology is that of the ICD 11. There are many individuals from the WFN involved, myself included. The process is going well, and the classification is scheduled to be ready in 2015. Another important issue is that of nomenclature and classification of neurological disorders in that. This is a long-term goal and perhaps stroke and dementia are the first topics to be included. The WHO priority is on prevention, and this colors all its work through the United Nations. Neurology should be part of the process but this takes time and perseverance.

The administration of the WFN continues to strive to serve all WFN member societies and committees. It is well appreciated that trustees are elected to serve the member societies and work hard toward that goal.

Raad Shakir is Secretary-Treasurer General of the World Federation of Neurology.

JNS Shows Growth, Improved Reach

BY ROBERT P LISAK, MD, FRCP, FAAN

The Journal of the Neurological Sciences enjoyed another year of growth with a 6 percent increase in submissions in 2012. During the last 15 years, the journal has shown enormous growth and improved impact throughout the medical world. The impact factor rose from 1.398 in 1998 to 2.353 in 2011. Submissions rose to 1,459 in 2012.

These indicators are a reflection of the journal's growing importance as an international journal covering all aspects of neurology. The journal's broad scope includes studies in neuromuscular diseases, demyelination, dementia, infections, stroke and cerebral circulation, degenerative diseases, neurogenetics, neoplasms and metabolism in both clinical neurology and the basic sciences.

The statistics demonstrate the journal's growth. In 2006, the electronic submission and review process was implemented. Submissions averaged 400 annually from 1998 to 2005. By 2012, the journal received 1,459 submissions with double-digit increases in every year but 2011 and 2012. Thus, the electronic submission and review process have made a major contribution to growth but cannot explain all of the continual growth.

The annual acceptance rate declined steadily from 49.5 percent in 1998 to 25 percent in 2012. The annual rejection rate increased steadily from 26.6 percent in 1998 to 78 percent in 2012. The editor in chief started triaging manuscripts in 2009 because of the significant increase in submissions annually. The “triage” rate increased from 43 percent in 2009 to 58 percent in 2012.

Four hundred and eighty-four articles were published in 12 volumes including one special issue. This year’s special issue was 322.1-2 (November 15) Vascular Dementia. Guest editors: Amos D Korczyn, Natan M. Bornstein and Alla Guekht.

The evolution of the journal is reflected in the changing demographics of the contributors and reviewers. While the five leading countries in submissions in recent years continue to be China, Japan, U.S., South Korea and Italy, an increase in submissions from countries and regions including Africa, Egypt, Iran, Jordan, Lebanon, Qatar, the Russian Federation, the Arab Republic and the Caribbean indicate a trend that demonstrates the journal’s expanding global presence and impact factor.

The top 5 ranked countries for accepted manuscripts remained the same: U.S., 17 percent (36 manuscripts); Japan, 12 percent (41 manuscripts); China, 11 percent (37 manuscripts); South Korea, 8.5 percent (28 manuscripts); and Italy, 6 percent (21 manuscripts).

The five countries with the highest number of submissions included People’s Republic of China with 224 = 15 percent; Japan with 213 = 14.5 percent; the U.S. with 148 = 10 percent; South Korea with 114 = 8 percent; and Italy with 109 = 7.5 percent.

There was a significant increase in submissions from China starting in 2011 and from South Korea in 2012. U.S. submissions nearly tripled from 51 in 1998 to 148 in 2012.

**Geographic Summary for 2012:**

<table>
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<tr>
<th>Country</th>
<th>Accepted</th>
<th>Rejected</th>
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<tr>
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<tr>
<td>Western Europe</td>
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<td>248</td>
<td>318</td>
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**Total Manuscripts**: 331*  1148*  1459*

*Some of these were submitted in prior years.

Basic research defined as employing no human subjects or tissue / material remained consistent. It accounts for 8 to 9 percent of the submissions annually. For the 484 manuscripts published in 2012, original articles continued to dominate with 68 percent followed by short communications at 18 percent, reviews at 4.5 percent, letters to editor and invited response letters at 4.5 percent and book reviews at 5 percent.

Disease types for all submitted manuscripts included cerebrovascular, 25 percent; inflammatory/MS, 16 percent; movement disorders, 9 percent; neuregenerative, 10.5 percent; peripheral nerve, infections and other, each 5 percent; tumors/neuro-oncology and muscle/neuromuscular, 4 percent; headaches, 2.5 percent; seizures/epilepsy, 2 percent; motor neuron, 3 percent; dementia/aging and trauma, each 2 percent; developmental disorders, 1.5 percent; metabolic, 2 percent; environmental/toxic, < 1 percent; medication/iatrogenic, < 1 percent.

Disciplines for all submitted manuscripts were clinical, 40 percent; neuroimaging, 11 percent; genetics, 11 percent; cell biology, 6.5 percent; cognitive/behavioral, 7 percent; immunonuology, 8 percent; neurophysiology, 5 percent; molecular biology, neurochemistry and neuropathology, each 1.5 percent; epidemiology, neuro-ophthalmology and neuropharmacology, each 1.5 percent; neurovirology, 1 percent; neuro-otology, education/history and medical economics, each < 0.5 percent.

The review cycle for the 331 manuscripts accepted in 2012 has remained consistent over the years. Ten percent were accepted without revision. Sixty one percent required one revision. Twenty nine percent required two or more revisions.

An estimated 8 percent of the manuscripts were delayed by late reviews ranging from one week to several weeks. Electronic reminders were sent two days before the due date and every Friday. Alternative reviewers are assigned promptly. As many as 16 reviewers have been invited for some manuscripts.

Ad hoc reviewers were acknowledged for their contribution to the journal in April 315:184-89. More than 4,235 reviewers, including members of the editorial board were invited in 2012; 1,297 = 30 percent declined to review, and 1,049 = 25 percent did not respond.

Changes were made to the Editorial Board in 2012. Alla Guekht (Russia) was invited and accepted the invitation to join the board. O. Elwan (Egypt), T. P. Hund (Taiwan), A. Ordi-Rosano (Philippines), A. Pruszinski (Poland) and A. A. F. Sima (US) rotated off the board.

This will be my last report as editor-in-chief as I am stepping down after 15 years. It has been an honor and privilege to have served in this position for this period of time and to see the growth in size, impact factor and download of articles over these 15+ years.

Lisak is editor-in-chief of the Journal of the Neurological Sciences.
WFN, TNS Team to Present Turkish Initiative

The World Federation of Neurology (WFN) and the Turkish Neurological Society (TNS) are delighted to be partnering for another year to present the Turkish Initiative.

The Turkish Neurological Society (TNS) was founded in 1992 and currently has 1,400 members. The aims of the society include contributing to the neurological and international awareness, diagnosis and treatment of neurological diseases at the best possible standards. The TNS is scientifically active and has high standards of education. Turkish-trained neurologists can enter the UEMS/EBN European board examinations.

The WFN, whose aim is to foster brain health worldwide, has 117 country members and works to foster brain health at an international level, and works in partnership with the World Health Organisation (WHO) as well as others.

Project Description

The TNS would like to support the African initiatives of the WFN by inviting two African colleagues to visit the Neurology department of a Turkish University Hospital for a duration of four weeks. The purpose is to experience the modern Turkish medical system in an international environment, meet new colleagues and foster future cooperation.

The hosting departments will be Istanbul University Cerrahpaşa Faculty of Medicine (Istanbul), and Gazi University Faculty of Medicine (Ankara). Both university hospitals have an English curriculum Medical School and feature various subunits of the Neurology Department (electrophysiology, stroke, epilepsy, sleep medicine, neuro-ophthalmology, neuromuscular diseases and movement disorders).

Timeframe

The visit will take place during November 2013 to coincide with TNS’ Annual National Neurology Congress, which will take place in Antalya.

Details About Support

The TNS will provide the following support:

- Travel expenses Africa – Turkey – Africa
- Accommodations during four weeks
- Living expenses (food and beverage) during four weeks
- Costs of health insurance during the stay in Turkey (to be arranged by the applicant; if the costs will be refunded)
- Sponsored attendance to TNS’ Annual National Neurology Congress in Antalya

Criteria for Applications

- The applicant must be a resident of a developing country from the African continent.
- The applicant must be a qualified neurologist.
- The applicant must be born after Dec. 31, 1970.
- The applicant must be a qualified neurologist.

Evaluation Committee

- Wolfgang Grisold (Co-Chair Education Committee, WFN)
- Serefur Ozturk (Vice President, TNS)
- Stephan Sergey (Co-Chair Education Committee, WFN)
- Ayse Bora Tokcaer (General Secretary, TNS)

Deadline for Application

To apply, applicants must submit their CV, a supporting statement and a letter of recommendation from their Head of Department by Monday, July 1, 2013, by email to sgarry@kenes.com.

For questions regarding your application, or to apply, please contact Sarah Garry, WFN project coordinator, at the administrative office of the WFN Education Committee: Kenes Associations Worldwide, 1 Euston Square, 40 Melton St., London NW1 2FD, by email at sgarry@kenes.com or by phone at +44 (0) 207 383 8640.

TOLENTINO continued from page 6

He was an active individual and was involved in medical societies and the creation of working groups for the advancement of professionals in the area of neurology. In 1963, he was a member of the Technical Council and the Council of the Teaching of the Hospital Salvador B. Gautier. That same year, he was made a member of honor for the Dominican Society of Paediatrics. He then again became a member of the Council of Teaching of Hospital Salvador B. Gautier in 1968. In 1966, Tolentino was named Professor of Neurology at the Autonomous University of Santo Domingo. From 1967 to 1969, he was member of the Commission of Reform of Medical Studies the Autonomous University of Santo Domingo. In 1968, he was a member of the National Council of the Medical Council of the Medical Association of the Dominican Republic. He was a founding member of the Dominican Society of Neurology and Neurosurgery in 1968 of which he served as president twice. In 1987, he was elected member of the section of Tropical Pathology of the World Federation of Neurology. In 1992, he also became member of the section of epidemiology of the WFN.

In 1986, he became a Knight of the Order of National Merit of the French Republic, and in 2006, he was made a Chevalier of the Legion of Honor of the French Republic. In 1993, he received the title of Knight of the Order of the National Merit of Duarte Sanchez and Mella of the Dominican Republic. In 1998, he was made an associate member of the AAN, and in 2009, he became a member of honor of the AAN. In 2006, he became the regional director for Latin America for the WFN. In 1984, he was named “Doctor of the Highest Merit” of the Medical Society of the Dominican Institute of Social Security. In 1987, he was named a Master of Dominican Medicine by the College of Physicians of the Dominican Republic. In the same year, he was made honorary president of the XII Pan American Congress of Neurology held in Santo Domingo in 2008.

In 1982, he organized a residency program in neurology at the Hospital Salvador B. Gautier, which remains unique and has trained 57 neurologists who have taken neurology to all corners of the Dominican Republic.

DELEGATES continued from page 3

There are many more honors that will go unmentioned because of lack of space. The Dominican Congress declared by Law 180-09 that the Hospital of Specialities of the City of Health will henceforth carry the name of Dr. Mario Tolentino Dip. This hospital was built recently in the Dominican Republic.

There is no doubt that the absence of Dr. Tolentino, not only from the Dominican Republic, but from Latin America, represents a loss of a great man and a teacher of neurology. The whole world of neurosciences has been affected.

TOLENTINO continued from page 6

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