The first scientific meeting of the WFNS Neurorehabilitation Committee was held successfully in Munster, Germany, in 2000 under the auspices of Professor Klaus R.H. von Wild. This first scientific meeting highlighted the important role played by neurosurgeons in neurorehabilitation beginning at an early period after central and peripheral nervous system damage. Due to the great success of the first meeting and in expectation of rapid progress in the relevant fields of neurosurgery, scientific meetings of the committee have been held in every two years since then.

In 2005, the WFNS decided to change the name of the committee to the “Neurorehabilitation and Reconstructive Neurosurgery Committee”. We are pleased and grateful for this decision, since our efforts actually aim at promoting interactions between neurosurgery and neurorehabilitation rather than neurorehabilitation itself. The task carried out through such interaction should not be viewed simply as “early neurorehabilitation after neurosurgical procedures”. Neurosurgeons could play more active role with a variety of neurosurgical techniques within the broad multi-disciplinary spectrum of neurorehabilitation, and contribute to the improvement of the patient’s quality of life after central and peripheral nervous system damage.

The WFNS Neurorehabilitation and Reconstructive Neurosurgery Committee defined “Reconstructive Neurosurgery” as “any neurosurgical procedures which provide benefits for the control of disabilities caused by central and peripheral nervous system damage”. This definition implies that “Reconstructive Neurosurgery” involves not only techniques employed in functional neurosurgery but also wide varieties of techniques developed in various neurosurgical fields, such as neural, vascular and bony structure reconstruction. We believe that conceptualization of “Reconstructive Neurosurgery” in such a way would promote interactions between neurosurgery and neurorehabilitation greatly.

Committee members
The WFNS Neurorehabilitation and Reconstructive Neurosurgery Committee is organized by 1-2 delegates recommended by each member society of WFNS. The officers of the committee during the last 4-year term were as follows:
Honorary Chairman: Professor Klaus von Wild, (Germany)
Chairman: Professor Yoichi Katayama (Tokyo)
Vice-Chairman: Professor Wai S Poon (Hong Kong)
Secretary: Professor Takamitsu Yamamoto (Tokyo)
Official committee meetings
In the following committee meetings, we discussed strategies to support education and quality management of neurorehabilitation in neurosurgical practice, and possibilities for preparing recommendations and guidelines. We have also discussed the plans for scientific meetings. Special emphasis was placed on identifying and defining more clearly the role of neurosurgeons and neurosurgical techniques within the broad multi-disciplinary spectrum of neurorehabilitation. In the meeting held during the Interim Meeting of the WFNS in 2007, the discussion was focused on the above mentioned definition of “Reconstructive Neurosurgery”.

1. Meeting in Nagoya, Japan, 2005 during the 3rd conference of the International Academy of Multidisciplinary Neurotraumatology.
2. Meeting in Marrakech, Morocco, June, 2005 during the 13th World Congress of Neurosurgery.
3. Meeting in Seoul, Korea, September, 2005 during the 4th Scientific Meeting of the Committee.
5. Meeting in Taipei, Taiwan, September, 2007 during the 5th Scientific Meeting of the Committee.
7. Meeting in Jakarta, Indonesia, October, 2008 during the 1st Educational Course of Neurorehabilitation and Reconstructive Neurosurgery of WFNS
8. Meeting in Hong Kong, January, 2009 during the 7th Congress of Asian Australasian Society for Stereotactic and Functional Neurosurgery
9. Meeting in Boston, USA, August, 2005 during the 14th World Congress of Neurosurgery.

Official scientific meetings
The three previous scientific meetings of the WFNS Neurorehabilitation and Reconstructive Neurosurgery Committee made it clear to us that this field needs to maintain a close cooperation with various fields of neurosurgery. In order to facilitate a greater contribution from neurosurgeons working in various fields other than neurotraumatology and functional neurosurgery, the delegates on the WFNS Neurorehabilitation and Reconstructive Neurosurgery Committee founded the International Society of Reconstructive Neurosurgery (ISRN) and to hold its congress as a joint activity with each scientific meeting of the committee.

1. The 4th Scientific Meeting

Professor Jin Woo Chang hosted the 4th scientific meeting in conjunction with the 1st congress of the ISRN on September 1-3, 2005 in Seoul, Korea. A total of 309 participants from 12 countries (Korea, China, Japan, Taiwan, United State, Hong Kong, Italy, Germany, Thailand, Australia, Singapore, and Malaysia) joined the scientific meeting and related
activities. This meeting provided us with an excellent opportunity for close interaction among functional neurosurgeons, specialists in neurorehabilitation and basic neuroscientists in related fields. Selected papers of this scientific meeting were published as a supplement of Acta Neurochirurgica.

2. The 5th Scientific Meeting

Professor Wen-Ta Chiu hosted the 5th scientific meeting again in conjunction with the second congress of the ISRN on September 14-16, 2007 in Taipei, Taiwan. A total of 332 participants from 13 countries (Korea, China, Japan, Taiwan, United State, Hong Kong, Italy, Germany, Thailand, Australia, Singapore, India, and Malaysia) joined the scientific meeting and related activities. Neurosurgeons with various subspecialties contributed this meeting and discussed their role and neurosurgical techniques within the broad multi-disciplinary spectrum of neurorehabilitation. Selected papers of this scientific meeting were published as a supplement of Acta Neurochirurgica.

3. The 1st Educational Course

This educational course was held in conjunction with the 3rd congress of ISRN in Jakarta, Indonesia on October 24 - 27, 2008. Prof. Eka J. Wahjoepramono hosted this meeting. A total of 330 participants from 13 countries (Korea, China, Japan, Taiwan, United State, Hong Kong, Italy, Germany, Thailand, Australia, Singapore, Malaysia, and Indonesia) attended the Educational Course and related activities.

4. Special sessions in other neurosurgical meetings

We organized special sessions for neurorehabilitation at the 3rd conference of the International Academy of Multidisciplinary Neurotraumatology, which was held in Nagoya, Japan, 2005, at the 13th World Congress which was held in Marrakech, Morocco, 2005, at the 12th Asian Australasian Congress of Neurological Surgeons, which was held in Nagoya, Japan, 2007, and at the 14th World Congress which will be held in Boston, USA, 2009.

Publications

The proceedings of each scientific meeting have been or will be published as supplements to Acta Neurochirurgica.


Reconstructive Neurosurgery

**Recommendation**
Professor Yoichi Katayama has filled the post of chairman of the WFNS Neurorehabilitation and Reconstructive Neurosurgery Committee for the last 4-year term. We would like to recommend Professor Jin Woo Chang of Yonsei University, Seoul, Korea, as a new chairman for the next 4-year term, if the WFNS decides to continue the Neurorehabilitation and Reconstructive Neurosurgery Committee. Professor Jin Woo Chang is the one who hosted the 4th scientific meeting of this committee (see Appendix for his CV).

**Acknowledgements**
The member of the WFNS Neurorehabilitation and Reconstructive Neurosurgery Committee are all grateful to previous and current presidents, Professor Sami, Professor Laws, Professor Brotchi for their kind and strong support. We also thank Professor Khamlichi for his cooperation in maintaining our committee activities.

Yoichi Katayama, MD, PhD
Chairman of the WFNS Neurorehabilitation and Reconstructive Neurosurgery Committee
Professor and Chairman
Department of Neurological Surgery
Nihon University School of Medicine
Tokyo 173-8610, Japan
Appendix
Curriculum Vitae of Professor Jin Woo Chang

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Severance Hospital Seoul, Korea, 120-752
Tel: 82-2-2228-2159, Fax: 82-2-393-9979
e-mail: ichang@yuhs.ac

CURRENT POSITION:
Professor in Yonsei University College of Medicine, Seoul, Korea

EDUCATIONAL BACKGROUND:
1977, 3 - 1983, 2 Yonsei University College of Medicine, Seoul, Korea
1983, 3 - 1984, 2 Severance Hospital, Yonsei University College of Medicine
   - Rotating Internship
1984, 3 - 1988, 2 Department of Neurosurgery, Severance Hospital,
   Yonsei University College of Medicine
   - Four-year Residency
1984, 3 - 1986, 2 Graduate School, Yonsei University College of Medicine
   - Master of Science (Medical Science)
1986, 9 - 1993, 7 Graduate School, Yonsei University College of Medicine
   - Ph.D.

PROFESSIONAL BACKGROUND:
1991, 3 - 1993, 2 Department of Neurosurgery, Severance Hospital,
   Yonsei University College of Medicine
   - Clinical Fellow
1993, 3 – 2000, 2 Department of Neurosurgery, Severance Hospital,
   Yonsei University College of Medicine
   - Assistant Professor
1996, 3 – 1998, 2 Department of Neurology & Neurobiology, Pharmacology &
   Physiology, The University of Chicago
   - Research Associate
2000, 3 – 2005, 2 Department of Neurosurgery, Severance Hospital,
   Yonsei University College of Medicine
   - Associate Professor
2005, 3 – present Department of Neurosurgery, Severance Hospital,
   Yonsei University College of Medicine
   - Professor

MEMBERSHIPS IN MEDICAL SOCIETIES (INTERNATIONAL):
World Federation of Neurosurgical Society:
World Society for Stereotactic & Functional Neurosurgery
American Society for Stereotactic & Functional Neurosurgery
International Neuromodulation Society: Chairman of scientific committee for 14th congress of INS 2009
Society for Neuroscience

CURRENT EDITORIAL WORK FOR JOURNAL (INTERNATIONAL)
2007 - present Stereotactic & Functional Neurosurgery
2006 – present Neuromodulation

RECENT PUBLICATIONS (INTERNATIONAL) SINCE 1999
A) JOURNAL (Bold: Corresponding author)
11. HH Jung, CH Kim, JH Chang, YG Park, SS Chung, JW Chang: Bilateral anterior...
cingulotomy for refractory obsessive compulsive disorder: Long-term follow up results.
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15. YH Cho, DS Kim, PG Kim, YS Hwang, MS Cho, SY Moon, DW Kim, JW Chang: Dopamine neurons derived from embryonic stem cells efficiently induce behavioral recovery in a parkinsonian rat model. Biochem and Biophy Res Com 341:6-12, 2006


26. ST Kim, JW Chang, HN Hong, O Hwang: Loss of striatal dopaminergic fibers after intraventricular injection of tetrahydrobiopterin in rat brain. Neuroscience Letters
42. JW Chang, JY Choi, YG Park, SS Chung: Unusual causes of trigeminal neuropathy
44. SA Park, GS Kim, SK Lee, SR Lim, K Heo, SC Park, JW Chang, DI Kim, BI Lee: Interictal epileptiform discharges relate to 1H-MRS-detected metabolic abnormalities in mesial temporal lobe epilepsy. Epilepsia. 43(11):1385-1389, 2002
58. JW Chang, JH Chang, YG Park, SS Chung: Microvascular decompression in trigeminal


64. WY Lee, JW Chang, NL Nemeth, UJ Kang: Vesicular monoamine transporter-2 and aromatic L-aminoacid decarboxylase enhance dopamine delivery after L-3,4-dihydroxy-phenylalaninadministration on in parkinsonian rats. J Neurosci 19: 3266-3274, 1999


B) TEXTBOOK
