

SPECIAL INTEREST GROUP NEUROLOGIC MUSIC THERAPY

- ▣ **Established 2006 - WCNR Hongkong**
- ▣ **SIG Membership Meetings at WCNR 2008, 2010,2012**
- ▣ **70 'Members' on Email Distribution**
- ▣ **PreConference Workshops 2008, 2010, 2012**
- ▣ **First 'Music in Rehabilitation Symposium' at WCNR Vienna 2010 (Schlaug, Altenmueller, Thaut) - approx. 800 Attendees**
- ▣ **Second Symposium in Planning at WCNR Istanbul 2014 (Molinari, Chemali, Thaut)**

What is Neurologic Music Therapy

NEW THEORETICAL DEVELOPMENTS IN MUSIC THERAPY AND MUSIC MEDICINE

A PARADIGM SHIFT....

FROM SOCIAL SCIENCE MODELS....

Music for Human Relationship Building and Well Being
Cultural Role and Values of Music to Achieve Therapeutic Response

TO NEUROSCIENCE MODELS....

Music Engages Brain and Behavior Functions
Based on the Neurobiology of Music Perception

DRIVEN BY....

Advances in the Neuroscience of Music
Evidence Based Medicine

What is Neurologic Music Therapy

- ▣ **NMT is a comprehensive standardized neurorehabilitation treatment system: Sensorimotor Training, Speech/Language Training, Cognitive Training**
- **Codification of 20 Standardized Intervention Techniques by Panel of Experts 1998/1999**
- **First Certification Training 1999**
- **NMT treatment is based on research evidence (best practice standard based treatment protocols)**

What is Neurologic Music Therapy

- **NMT is firmly integrated in evidence-based medicine (EBM)**
- **NMT is medically recognized (World Federation of NeuroRehabilitation)**
- **NMT is reimbursable (USA: CPT <> NMT Codes)**
- **The RF Unkefer Academy of NMT was established in 2003 and is currently maintained at Colorado State University - Center for Biomedical Research in Music**

FACTS ABOUT NMT

- ▣ **Certification through Academy of Neurologic Music Therapy**
- ▣ **1999 - 2013: 35 Training Institutes**
- ▣ **2003 - 2013: 25 Advanced Fellowship Institutes**
- ▣ **2012: 2 Specialty Institutes (for SLP and Neuropsychologists)**
- ▣ **Host Countries: USA, Canada, Germany, UK, Netherlands, Australia, Japan**

FACTS ABOUT NMT

- ▣ 1000 Active NMT Certificants – 250 Advanced Fellows
- ▣ 150 Certificants from Other Disciplines
- ▣ 24 Countries
- ▣ 8 Universities have Fellows on the Faculty (Colorado State University, Western Michigan University, University of Miami, Sam Houston State University, University of Applied Sciences Heidelberg, Kurashiki Sakuyo Music University, University of Missouri Kansas City, ARTEZ Music Conservatory Enschede)
- ▣ Recognized by World Federation of Neurologic Rehabilitation as Special Interest Group
- ▣ Approved by the Certification Board for Music Therapists (CBMT) and the National Board for Certified Counselors (NBCC)
- ▣ WWW.COLOSTATE.EDU/DEPTS/CBRM

Enhanced Brain Mechanisms In Music

- ▣ **Cognitive Timing**
 - ▣ Auditory Scaffolding, Sequencing, Patterning,
- ▣ **Motor Timing and Priming**
 - ▣ Rhythmic Synchronization, Sonification, Motor Arousal
- ▣ **Auditory Perception and Sensory Integration**
 - ▣ Attention, Acuity, Sensory Integration
- ▣ **Complexity Thinking**
 - ▣ Abstract Thinking, Symbolic Thinking, Complex Reasoning
- ▣ **Emotional Experience**
 - ▣ Emotional Expression, Emotional Adjustment, Cognitive Enhancement

SIG NMT – CURRENT ACTIVITIES

- ▣ **PreConference Workshops**
- ▣ **WCNR Symposia**
- ▣ **Response to Information Requests about Clinical Training and Implementation**
- ▣ **Use of SIG Conference Meetings to Provide Educational Information about NMT**
- ▣ **Link Attendees to NMT Certification**

The Future

- ▣ **Advocate for NMT**
- ▣ **Organize WCNR Workshops - Symposia**
- ▣ **Educate Professionals about NMT**
- ▣ **Align NMT Training with WFNR Activities in Clinical Continuing Education/Flying Faculty/Research**
- ▣ **Collaboration with other SIGs [Innovative Tx Group]**
- ▣ **Memberships Recruitment of NMTs for WFNR**
- ▣ **Build Translational Research Collaborations**