Contents

1	Roland Haas	Introduction: Music that works
11	Gerold Baier,	
	Thomas Hermann	Sonification: listen to brain activity
25	Hans-Ullrich Balzer	Chronobiology – as a foundation for and an approach to a new
		understanding of the influence of music
83	Vera Brandes	Music as medicine: incorporating scalable
		music-based interventions into standard medical practice
105	Cheryl Dileo,	
	Joke Bradt	A perspective on evidence-based practice
109	Wilfried Gruhn	The audio-vocal system in song and speech development
119	Gerald Hüther	The significance of exposure to music for the formation and
		stabilisation of complex neuronal relationship matrices in the
		human brain: implications for the salutogenetic effects of
		intervention by means of music therapy
131	Petr Janata	Music and the self
143	Stefan Koelsch	Neural substrates of processing syntax and semantics in music
155	Nicolas Lange,	
	Janet E. Lainhart	A City Upon a Hill: Making scientific progress in brain-based
		music research in typical development, autism and other disorders
167	Björn Lemmer	The rhythm of the heart – the tempus of music – Mozart, Ligeti
	to releasing her	and the Rat
179	Luisa Lopez	Music and child neurology: a developmental perspective
185	Richard Parncutt	Prenatal "experience" and the phylogenesis and ontogenesis of music
195	Juan G. Roederer	Music and the evolution of human brain function
211	Concetta M. Tomaino	Clinical Applications of music therapy in neurologic rehabilitation
221	Colwyn Trevarthen	Human biochronology: on the source and functions of "musicality"
267	Gerhard Tucek,	
	Elisabeth Ferstl,	
	Florentina Maria Fritz	A study of synchronisation behaviour in a group of test persons
		during Baksy and Dhikr exercises via psycho-physiological monitoring
295	Rolf Verres	Resonance and silence – the significance in medicine
301	Richard von Georgi,	The solution of the significance in medicine
	Miriam Göbel,	
	Stefan Gebhardt	Emotion modulation by means of music and coping behaviour
321	John Esteves,	Emotion modulation by means of music and coping behaviour
32.	Sheri Stein-Blum,	
	Jonathan Cohen,	
	Allison Tischler	Identifying the effectiveness of a music-based auditory
	, misori riscilici	stimulation method, on children with sensory integration
		그 이 집에 다른 사람이 되었다. 그는 내가 있는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없어요? 그는 사람들이 없는 것이 없다.
329	Vera Brandes	and auditory processing concerns: a pilot study Music as a medicine:
329	veia bialides	
		incorporating music into standard hospital care