**Appendix 1**

**Contributors in the MGTX study**

MGTX study group contributed serum samples.

Gil I. Wolfe, M.D., Department of Neurology, University at Buffalo Jacobs School of Medicine

and Biomedical Sciences, Buffalo, NY; Henry J Kaminski, M.D., Department of Neurology,

George Washington University School of Medicine and Health Sciences, Washington, D.C. ;

Inmaculada B. Aban, Ph.D., Dept. of Biostatistics, University of Alabama at Birmingham,

Birmingham, AL; Greg Minisman, M.A., Dept. of Biostatistics, University of Alabama at

Birmingham, Birmingham, AL; Hui-Chien Kuo, M.S., Dept. of Biostatistics, University of

Alabama at Birmingham, Birmingham, AL; Alexander Marx, M.D., Institute of Pathology,

University Medical Centre Mannheim, University of Heidelberg, Mannheim, Germany; Philipp

Ströbel, M.D., Institute of Pathology, University of Göttingen, Göttingen, Germany; Claudio

Mazia, M.D., Department of Neurology, University of Buenos Aires, Buenos Aires, Argentina;

Joel Oger, M.D., Division of Neurology, University of British Columbia, Vancouver, Canada; J.

Gabriel Cea, M.D., Department of Neurology, University of Chile, Santiago, Chile; Jeannine M.

Heckmann, M.B.Ch.B., Ph.D., Division of Neurology, Department of Medicine, University of

Cape Town, Cape Town, South Africa; Amelia Evoli, M.D., Department of Neurology, Catholic

University, Rome, Italy; Wilfred Nix, M.D., Department of Neurology, Johanes Gutenberg

University, Mainz, Germany; Emma Ciafaloni, M.D., Department of Neurology, University of

Rochester Medical Center, Rochester, NY; Giovanni Antonini, M.D., Department of Neurology,

Mental Health and Sensory Organs, University of Rome “Sapienza,” Rome, Italy; Rawiphan

Witoonpanich, M.D., Department of Neurology, Mahidol University, Bangkok, Thailand; John

O. King, M.D., Department of Neurology, University of Melbourne, Melbourne, Australia; Said

R. Beydoun, M.D., Department of Neurology, University of Southern California, Los Angeles,

CA; Colin H. Chalk, M.D., Department of Neurology, McGill University, Montreal, Canada;

Alexandru C. Barboi, M.D., Department of Neurology, Medical College of Wisconsin,

Milwaukee, WI; Anthony A. Amato, M.D., Department of Neurology, Harvard Medical School,

Boston, MA; Aziz I. Shaibani, M.D., Nerve and Muscle Center of Texas, Houston, Texas;

Bashar Katirji, M.D., Department of Neurology, Case Western Reserve University, Cleveland,

OH; Bryan R. F. Lecky, M.D., Walton Centre for Neurology and Neurosurgery, Liverpool,

U.K.; Camilla Buckley, M.D., Nuffield Department of Clinical Neurosciences, Oxford

University, Oxford, U.K.; Angela Vincent, M.B.B.S, Nuffield Department of Clinical

Neurosciences, Oxford University, Oxford, U.K.; Elza Dias-Tosta, M.D., Ph.D., Hospital de

Base do Distrito Federal, Brasilia, Brazil; Hiroaki Yoshikawa, M.D., Ph.D., Department of

Neurology, Kanazawa University, Kanazawa, Japan; Márcia Waddington-Cruz, M.D., Ph.D.,

Department of Neurology, Federal University, Rio de Janeiro, Brazil; Michael T. Pulley, M.D.,

Ph.D., Department of Neurology, University of Florida, Jacksonville, FL; Michael H. Rivner,

M.D., Department of Neurology, Georgia Regents University, Augusta, GA; Anna Kostera-

Pruszczyk, M.D, Department of Neurology, Medical University of Warsaw, Warsaw, Poland;

Robert M. Pascuzzi, M.D., Department of Neurology, Indiana School of Medicine, Indianapolis,

IN; Carlayne E. Jackson, M.D., Department of Neurology, University of Texas Health Science

Center, San Antonio, TX; Guillermo S. Garcia Ramos, M.D., Department of Neurology and

Psychiatry, Instituto Nacional de la Nutrición, Tialpan, Mexico; Jan J.G.M. Verschuuren, M.D.,

Department of Neurology, Leiden University Medical Center, Leiden, The Netherlands; Janice

M. Massey, M.D., Department of Neurology, Duke University Medical Center, Durham, NC;

John T. Kissel, M.D., Department of Neurology, The Ohio State University Wexner Medical

Center, Columbus, OH; Lineu C. Werneck, M.D., Ph.D., Department of Neurology,

Universidade Federal do Parana, Curitiba, Brazil; Michael Benatar, M.D., Ph.D., Department of

Neurology, University of Miami, Miami, FL; Richard J. Barohn, M.D., Department of

Neurology, University of Kansas Medical Center, Kansas City, KS; Rup Tandan, M.D.,

F.R.C.P., Department of Neurological Sciences, University of Vermont College of Medicine,

Burlington, VT; Tahseen Mozaffar, M.D., Department of Neurology, University of California,

Irvine, Orange, CA; Robin Conwit, M.D., Division of Extramural Research, NIH/National

Institute of Neurological Disorders and Stroke, Bethesda, MD; Joanne Odenkirchen, M.P.H.,

Division of Extramural Research, NIH/National Institute of Neurological Disorders and Stroke,

Bethesda, MD; Joshua R. Sonett, M.D., Section of General Thoracic Surgery, Columbia

University Medical Center, New York, NY; Alfred Jaretzki III, M.D., Section of General

Thoracic Surgery, Columbia University Medical Center, New York, NY; John Newsom-Davis,

M.D., Nuffield Department of Clinical Neurosciences, Oxford University, Oxford, U.K. and

Gary R. Cutter, Ph.D., Dept. of Biostatistics, Univ. of Alabama at Birmingham, Birmingham, AL

on behalf of the MGTX Study Group

Role: All of the above listed co-investigators in the MGTX study enrolled patients or in other

ways contributed to the study design, data collection or statistical analysis.