

BIOGRAPHICAL SKETCH

NAME Andrew I.R. Maas		POSITION TITLE Professor and Chairman Neurosurgery	
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Erasmus Medical Center Rotterdam, The Netherlands	MD	1977	
Erasmus Medical Center Rotterdam, The Netherlands	PhD	1977	

A. Positions and Honors.

Positions

2007-ongoing Professor and Chairman Department of Neurosurgery, Antwerp University Hospital
 2006-2007 Chairman neurosurgical residency program, Erasmus MC Rotterdam, The Netherlands
 1989-2007 Neurosurgeon (0,2 FTE) Albert Schweitzer Hospital, Dordrecht, The Netherlands
 1985-2007 Neurosurgeon Erasmus Medical Center, Rotterdam, The Netherlands

Honors

Individualized Targeted Management in Neurocritical care - Grant of the Flemish Institute for Science and Technology (2009-2011)
 Clinical Trial Design and Analysis in TBI - NIH-R01 grant (2003-2011)
 Past Chairman International Neurotrauma Society (2006-2009)
 Co-Chairman European Brain Injury Consortium
 Member of the Neurotraumatology Committee of the World Federation of Neurosurgical Societies

B. Selected peer-reviewed publications (in chronological order) – selection of most recent.

Traumatic brain injury: Rethinking ideas and approaches
 Maas AIR, Menon DK
Lancet Neurol. 2012; 1:12-13

[Spreading depolarisations and outcome after traumatic brain injury: a prospective observational study.](#)
 Hartings JA, Bullock MR, Okonkwo DO, Murray LS, Murray GD, Fabricius M, Maas AI, Woitzik J, Sakowitz O, Mathern B, Roozenbeek B, Lingsma H, Dreier JP, Puccio AM, Shutter LA, Pahl C, Strong AJ; for the Co-Operative Study on Brain Injury Depolarisations.
Lancet Neurol. 2011 Dec;10(12):1058-1064. Epub 2011 Nov 3.

Between-centre differences and treatment effects in randomized controlled trials: a case study in Traumatic Brain Injury.
 Lingsma HF, Roozenbeek B, Perel P, Roberts I, Maas AI, Steyerberg EW.
Trials. Aug 25;12:201. 2011.

Prognostic Value of Major Extracranial Injury in Traumatic Brain Injury: An Individual Patient Data Meta-analysis in 39,274 Patients

Program Director/Principal Investigator (Last, First, Middle):

van Leeuwen N, Lingsma HF, Perel P, Lecky F, Roozenbeek B, Lu J, Shakur H, Weir J, Steyerberg EW, Maas AI; On behalf of the IMPACT study group, the CRASH trial collaborators and the Trauma Audit and Research Network.

Neurosurgery. 2011 Sep 5. [Epub ahead of print]

The added value of ordinal analysis in clinical trials: an example in traumatic brain injury.

Roozenbeek B, Lingsma HF, Perel P, Edwards P, Roberts I, Murray GD, Maas AI, Steyerberg EW, Trial Design In Traumatic Brain Injury Study Group II, Significant Head Injury Trial Collaborators CC.

Crit Care. 2011 May 17;15(3):R127

Re-orientation of clinical research in Traumatic Brain Injury: Report of a international workshop* on Comparative Effectiveness Research

Andrew Maas, David Menon, Hester Lingsma, Jose Pineda, Elizabeth M. Sandel, Geoffrey T. Manley M.D., Ph.D.

Journal of Neurotrauma. Aug. 29, 2011, ahead of print.

Large Between-Center Differences in Outcome After Moderate and Severe Traumatic Brain Injury in the International Mission on Prognosis and Clinical Trial Design in Traumatic Brain Injury (IMPACT) Study.

Hester F. Lingsma, MSc, Bob Roozenbeek, MD, Bayoue Li, MSc, Juan Lu, MD, James Weir, MSc, Isabella Butcher, PhD, Anthony Marmarou, MD, PhD, Gordon D. Murray, PhD, Andrew I.R. Maas, MD, PhD, Ewout W. Steyerberg, PhD

Neurosurgery. 2011 Mar;68(3):601-7; discussion 607-8.

Standardizing Data Collection in Traumatic Brain Injury

Andrew I.R. Maas, Cynthia L. Harrison-Felix, David Menon, P. David Adelson, Tom Balkin, Ross Bullock, Doortje C. Engel, Wayne Gordon, Jean Langlois-Orman, Henry L. Lew, Claudia Robertson, Nancy Temkin, Alex Valadka, Mieke Verfaellie, Mark Wainwright, David W. Wright, Karen Schwab

Journal of neurotrauma 28:177-187 (February 2011)

Hypothermia and the complexity of trials in patients with traumatic brain injury.

Maas A, Stocchetti N.

Lancet Neurol. 2011 Feb;10(2):111-3. Epub 2010 Dec 17.

Position Statement: Definition of Traumatic Brain Injury.

David K. Menon, MD, PhD, Karen Schwab, PhD, David W. Wright, MD, Andrew I. Maas, MD, PhD, on behalf of The Demographics and Clinical Assessment Working Group of the International and Interagency Initiative toward Common Data Elements for Research on Traumatic Brain Injury and Psychological Health.

Arch Phys Med Rehabil Vol 91, November 2010 (1637-1640)

Common Data Elements for Traumatic Brain Injury: Recommendations from the Interagency Working Group on Demographics and Clinical Assessment.

Andrew I. Maas, MD, Cynthia L. Harrison-Felix, PhD, David Menon, MD, P. David Adelson, MD, Tom Balkin, PhD, Ross Bullock, MD, Doortje C. Engel, MD, PhD, Wayne Gordon, PhD, Jean Langlois Orman, ScD, Henry L. Lew, MD, PhD, Claudia Robertson, MD, Nancy Temkin, PhD, Alex Valadka, MD, Mieke Verfaellie, PhD, Mark Wainwright, MD, David W. Wright, MD, Karen Schwab, PhD.

Arch Phys Med Rehabil Vol 91, November 2010 (1641-1649)

Quality of Life after traumatic brain injury: the clinical use of the QOLIBRI, a novel disease-specific instrument.

Jean-Luc Truelle, Sanna Koskinen, Graeme Hawthorne, Jaana Sarajuuri, Rita Formisano, Klaus von Wild, Edmund Neugebauer, Lindsay Wilson, Henning Gibbons, Jane Powell, Monika Bullinger, Stefan Höfer, Andrew Maas, George Zitnay, Nicole von Steinbüchel and the QOLIBRI Task Force.

Brain Injury, 2010 Oct, 24 / 11 (1272-1292)

Noninvasive monitoring of cerebral oxygenation in traumatic brain injury: a mix of doubts and hope.

Program Director/Principal Investigator (Last, First, Middle):

Maas AI, Citerio G.

Intensive Care Med. 2010 Aug;36(8):1283-5. Epub 2010 May 26.

Quality of Life after Brain Injury (Qolibri) : Scale Validity and correlates of Quality of Life.

Nicole von Steinbuechel, Lindsay Wilson, Henning Gibbons, Graeme Hawthorne, Stefan Höfer, Silke Schmidt, Monika Bullinger, Andrew Maas, Edmund Neugebauer, Jane Powell, Klaus von Wild, George Zitnay, Wilbert Bakx, Anne-Lise Christensen, Sanna Koskinen, Rita Formisano, Jana Saarajuri, Nadine Sasse, Jean-Luc Truelle, and the QOLIBRI Task Force.

J. Neurotrauma 2010 Jul; 27 (1157-1165)

Quality of Life after Brain Injury (QOLIBRI): Scale Development and Metric Properties.

Nicole von Steinbuechel, Lindsay Wilson, Henning Gibbons, Graeme Hawthorne, Stefan Höfer, Silke Schmidt, Monika Bullinger, Andrew Maas, Edmund Neugebauer, Jane Powell, Klaus von Wild, George Zitnay, Wilbert Bakx, Anne-Lise Christensen, Sanna Koskinen, Jaana Sarajuuri, Rita Formisano, Nadine Sasse, Jean-Luc Truelle, and the QOLIBRI Task Force.

J. Neurotrauma 2010 Jul; 27 (1167 – 1185)

Early prognosis in traumatic brain injury: from prophecies to predictions.

Lingsma HF, Roozenbeek B, Steyerberg EW, Murray GD, Maas AI.

Lancet Neurol. 2010 May;9(5):543-54.

A simulation study evaluating approaches to the analysis of ordinal outcome data in randomized controlled trials in traumatic brain injury: results from the IMPACT Project.

McHugh GS, Butcher I, Steyerberg EW, Marmarou A, Lu J, Lingsma HF, Weir J, Maas AI, Murray GD.

Clin Trials. 2010 Feb;7(1):44-57.

IMPACT recommendations for improving the design and analysis of clinical trials in moderate to severe traumatic brain injury.

Maas AI, Steyerberg EW, Marmarou A, McHugh GS, Lingsma HF, Butcher I, Lu J, Weir J, Roozenbeek B, Murray GD.

Neurotherapeutics. 2010 Jan;7(1):127-34. Review.

Clinical trials in traumatic brain injury: past experience and current developments.

Maas AI, Roozenbeek B, Manley GT.

Neurotherapeutics. 2010 Jan;7(1):115-26.

Standardisation of data collection in traumatic brain injury: key to the future?

Maas AI.

Crit Care. 2009;13(6):1016. Epub 2009 Dec 16.

Baseline characteristics and statistical power in randomized controlled trials: selection, prognostic targeting, or covariate adjustment?

Roozenbeek B, Maas AI, Lingsma HF, Butcher I, Lu J, Marmarou A, McHugh GS, Weir J, Murray GD, Steyerberg EW; IMPACT Study Group.

Crit Care Med. 2009 Oct;37(10):2683-90.

The influence of enrollment criteria on recruitment and outcome distribution in traumatic brain injury studies: results from the impact study.

Roozenbeek B, Maas AI, Marmarou A, Butcher I, Lingsma HF, Lu J, McHugh GS, Murray GD, Steyerberg EW; IMPACT Study Group.

J Neurotrauma. 2009 Jul;26(7):1069-75.