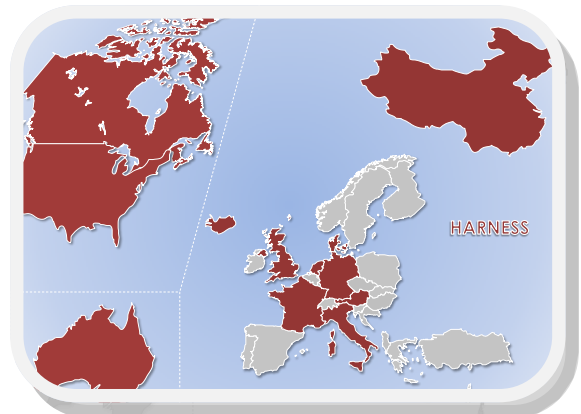


**HARNESS**

**HARmoNising Brain Imaging METHodS for VaScular Contributions to Neurodegeneration**

One of the most important causes of dementia is brain blood vessel disease (also called vascular dementia). To make progress in understanding the causes of vascular dementia and to develop treatments, we need to diagnose and measure it in a standard way. This can be difficult to do when studies involve many different sites that may diagnose vascular dementia somewhat differently. The objective of our work is to develop standardized methods for using brain scans to diagnose vascular dementia. We will host a series of teleconferences and meetings to:

- 1) plan an internet-based repository for instructions on how to do magnetic resonance imaging (MRI) scans to detect vascular dementia,
- 2) host examples of scans with different kinds of blood vessel diseases, so radiologists and researchers can learn what they look like and practice measuring them,
- 3) provide instructions for how to test the reliability of MRI scanner measurements, and
- 4) review new ways to do scans to diagnose vascular dementia.



**Coordinator:** Eric E. Smith  
**E:** Eric.Smith@albertahealthservices.ca  
**T:** 403-944-1594








**Working Group Members:**




COORDINATOR | ERIC E. SMITH




CO-COORDINATOR | JOANNA WARDLAW

-  **Perminder Sachdev**, University of New South Wales, Australia
-  **Wei Wen**, University of New South Wales, Australia
-  **Franz Fazekas**, Medical University Graz, Austria
-  **Sandra Black**, University of Toronto, Canada
- Louis Collins**, McGill University, Canada
- Simon Duchesne**, Laval University, Canada
- Richard Frayne**, University of Calgary, Canada
- Vladimir Hachinski**, Western University, Canada
- Brad MacIntosh**, University of Toronto, Canada
- Bruce Pike**, University of Calgary, Canada
- Eric Smith**, University of Calgary, Canada
-  **Vincent Mok**, Chinese University of Hong Kong, China
-  **Leif Ostergaard**, Aarhus Universitet, Denmark
-  **Hugues Chabriat**, Lariboisiere Hospital, France
- Stephanie Debette**, University of Bordeaux, France
- Carole Dufouil**, University of Bordeaux, France
- Eric Jouvent**, Lariboisiere Hospital, France
- Bernard Mazoyer**, University of Bordeaux, France
- Christophe Tzourio**, University of Bordeaux, France

 **Martin Dichgans**, Ludwig-Maximilians University Munich, Germany  
**Marco Duering**, Ludwig-Maximilians University Munich, Germany  
**Emrah Duzel**, University of Magdeburg, Germany  
**Jennifer Linn**, University Hospital Carl Gustav Carus, Germany  
**Tony Stoecker**, Bonn University, Germany

 **Vilmundur Gudnason**, University of Iceland, Iceland

 **Leonardo Pantoni**, University of Florence, Italy

 **Hieab Adams**, University Medical Centre Rotterdam, the Netherlands  
 **Geert Jan Biessels**, University Medical Centre Utrecht, the Netherlands  
**Mark van Buchem**, Leiden University Medical Centre, the Netherlands  
**Frank-Erik DeLeeuw**, Radboud University Nijmegen Medical Centre, the Netherlands  
**Arfan Ikram**, University Medical Centre Rotterdam, the Netherlands  
**Robert van Oostenbrugge**, Maastricht University Medical Centre, the Netherlands  
**Marion Smits**, Erasmus MC, the Netherlands  
**Julie Staals**, Maastricht University Medical Centre, the Netherlands  
**Meike Vernooij**, Erasmus MC, the Netherlands


 **Paul Matthews**, Imperial College London, UK  
**Steven Sourbron**, University of Leeds, UK  
**Michael Thrippleton**, University of Edinburgh, UK  
**Joanna Wardlaw**, University of Edinburgh, UK  
**David Werring**, University College London, UK

 **Charles DeCarli**, University of California at Davis, USA  
**Steve Greenberg**, Massachusetts General Hospital, USA  
**Edip Gurol**, Massachusetts General Hospital, USA  
**Lenore Launer**, U.S. National Institutes of Health, USA  
**Rafael Romero**, Boston University Medical Centre, USA  
**Sudha Seshadri**, Boston University, USA  
**Anand Viswanathan**, Massachusetts General Hospital, USA

#### Advisory group

 **Mike Sharma**, McMaster University Population Health Research Institute, Canada

 **Christopher Chen**, National University Singapore, Singapore

 **Rod Corriveau**, U.S. National Institute of Neurological Disorders and Stroke, USA