



# The Virtual International Stroke Trials Archive



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**VISTA Steering Committee & Collaborators Meeting  
European Stroke Conference, Hamburg, Germany 2011**

**Radisson Blu Hotel,  
Marseiller Straße 2  
20355 Hamburg,  
Germany**

**09.30-11.30pm  
Room: Chicago**

**Agenda**

**09.30 Start of VISTA Meeting**

**Introductions**

**Summaries**

**VISTA-Acute:** K. R. Lees

**VISTA-Rehab:** M. Brady

**VISTA-Prevention:** H. C. Diener

**VISTA-ICH:** D. Hanley

Presentation: F. Rincon

**VISTA-Plus:** N. G. Wahlgren

**10.10 Other Business**

**11.30 End of Main Session**

**11.30 VISTA-Imaging**

PRE-FLAIR

Presentation: D. Hanley

**12.30 Close**



**Kennedy R. Lees (VISTA Chair)**  
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### Summary

Status	Details
Patient Data Available	28,190
Commitments to Contribute Trial Data	0
Completed Projects	33
Active Projects	16
Published Papers	33
Abstracts/Posters	28

### Steering Committee

Name	Details
<b>K.R. Lees</b>	Institutes of Cardiovascular and Medical Sciences, University of Glasgow, UK
<b>L. Claesson</b>	AstraZeneca LLP, Södertälje, Sweden
<b>E. Bluhmki</b>	Boehringer Ingelheim, Biberach, Germany
<b>B. Gregson</b>	Dept. of Neurosurgery, Newcastle University, Newcastle General Hospital, UK
<b>G. Donnan</b>	Neurology, University of Melbourne, Australia
<b>H. C. Diener</b>	Department of Neurology, University Duisburg-Essen, Hufelandstrasse, Essen, Germany
<b>J. Grotta</b>	Department of Neurology, University of Texas, Houston Medical School, USA
<b>J. Marler</b>	Food and Drug Administration, USA
<b>P. Teal</b>	Professor of Stroke Neurology, University of British Columbia, Vancouver.
<b>M.G. Hennerici</b>	Department of Neurology, University of Heidelberg, Germany
<b>N.G. Wahlgren</b>	Karolinska Hospital, Stockholm, Sweden
<b>P. Lyden</b>	Cedars-Sinai Medical Center, Los Angeles, USA
<b>P.W. Bath</b>	Institute of Neuroscience, University of Nottingham, UK
<b>R. Sacco</b>	Miller School of Medicine, University of Miami, USA
<b>S.M Davis</b>	Department of Neurology, Royal Melbourne Hospital, University of Melbourne, Australia
<b>W. Hacke</b>	Department of Neurology, University of Heidelberg, Germany
<b>S. Warach</b>	National Institute of Neurological Disorders and Stroke, USA
<b>M. Fisher</b>	Dept of Neurology, University of Massachusetts Medical School, USA
<b>M. Hommel</b>	Joseph Fourier University, Grenoble, France
<b>M. Kaste</b>	Department of Neurology, Helsinki University Central Hospital, University of Helsinki, Finland
<b>K. Muir</b>	Division of Clinical Neurosciences, University of Glasgow, Glasgow, UK
<b>A. Shuaib</b>	Director, Stroke Program, University of Alberta, Canada
<b>C. Weimar</b>	Department of Neurology, University Hospital Essen, University of Duisburg-Essen, Essen, Germany
<b>A. Alexandrov</b>	University of Alabama Hospital, Birmingham, AL, USA

## Publications

### Journal Articles

1. Ali M, Bath PMW, Curram J, Davis SM, Diener HC, Donnan GA, Fisher M, Gregson BA, Grotta JC, Hacke W, Hennerici MG, Hommel M, Kaste M, Marler JR, Sacco R, Teal P, Wahlgren NG, Warach S, Weir CJ and Lees KR. The Virtual International Stroke Trials Archive. **Stroke** 2007;38:1905-1910.
2. Dawson J, Lees JS, Chang TP, Walters MR, Ali M, Davis SM, Diener HC, Lees KR, for the GAIN and VISTA Investigators. Association between disability measures and healthcare costs after initial treatment for acute stroke. **Stroke**. 2007;38:1893-1898
3. Prosser J; MacGregor L; Lees KR; Diener HC; Hacke W; Davis SM; on behalf of the VISTA investigators. Predictors of Early Cardiac Morbidity and Mortality after Ischemic Stroke. **Stroke**. 2007;38:2295-2302
4. Fink JN, Frampton CM, Lyden P, Lees KR, on behalf of the VISTA Investigators. Does hemispheric lateralization influence functional and cardiovascular outcomes after stroke? An analysis of placebo-treated patients from prospective acute stroke trials. **Stroke** 2008;39:3335-3340
5. Hallevi H, Albright KC, Martin-Schild S, Barreto AD, Grotta JC, Savitz SI. The complications of cardioembolic stroke: lessons from the VISTA database. **Cerebrovasc Dis** 2008; 26:38–40.
6. Konig IR; Ziegler A; Bluhmki E; Hacke W; Bath PMW; Sacco RL; Diener HC; Weimar C; on behalf of the Virtual International Stroke Trials Archive (VISTA) Investigators. Predicting Long-Term Outcome After Acute Ischemic Stroke. A Simple Index Works in Patients From Controlled Clinical Trials. **Stroke**. 2008;39:1821-1826
7. Ovbiagele B; Starkman S; Teal P; Lyden P; Kaste M; Davis SM; Hacke W; Fierus M; Saver JL; on behalf of the VISTA Investigators, Serum Calcium as Prognosticator in Ischemic Stroke. **Stroke**. 2008;39:2231-2236
8. Quinn TJ, Dawson J, Lees JS, Chang TP, Walters MR, Lees KR; GAIN and VISTA Investigators. Time spent at home post-stroke: "home-time" a meaningful and robust outcome measure for stroke trials. **Stroke** 2008; 39: 231-3
9. Ali M, Atula S, Bath PMW, Grotta J, Hacke W, Lyden P, Marler J, Sacco RL, Lees KR, for the VISTA Investigators, Stroke Outcomes in Clinical Trials Patients Deriving from Different Countries. **Stroke** 2009;40:35-40
10. Ali M, Lyden P, Sacco RL, Shuaib A, Lees KR, for the VISTA investigators. Natural History of Complications after Intracerebral Haemorrhage. **European Journal of Neurology**; 2009: 16:624-630
11. Ali M, Sacco R, Lees KR, On behalf of the VISTA Investigators. Primary endpoint times, functional outcome and adverse event profile after acute ischaemic stroke. **International Journal of Stroke**, 2009;4:432-42
12. Dawson J, Lees KR, Weir CJ, Quinn TJ, Ali M, Hennerici M, Walters MR, and the VISTA collaborators. Baseline Serum Urate and 90-Day Functional Outcomes Following Acute Ischemic Stroke. **Cerebrovascular Diseases**, 2009; 28:202-203.
13. Hallevi H, Albright KC, Martin-Schild SB, Barreto AD, Morales MM, Bornstein N, Ifejika NL, Shuaib A, Grotta JC, Savitz SI, on behalf of the VISTA Investigators, Recovery after ischaemic stroke: Criteria for good outcome by level of disability at day 7, **Cerebrovascular Diseases** 2009;28;341-348.
14. Diener HC, Weimar C, Ali M, Lees KR, Die virtuelle internationale Schlaganfallstudien-Archiv (VISTA) – Bedeutung für die Schlaganfallforschung, **Akt Neurol** 2009;36:174-179
15. Gray LJ, Ali M, Lyden P, Bath PMW, for the VISTA Investigators. Relationship between the National Institute of Health Stroke Scale (NIHSS) and Scandinavian Stroke Scale (SSS) in patients with acute stroke. **Journal of Stroke and Cerebrovascular Diseases**, 2009;18:466-468
16. Kamel H, Lees KR, Lyden P, Teal PA, Shuaib A, Ali M and Johnston SC, on behalf of the VISTA Investigators. Delayed detection of atrial fibrillation after ischaemic stroke. **Journal of Stroke and Cerebrovascular Diseases**, 2009;18:453-457
17. Saini M, Saqqur M, Kamruzzaman A, Lees KR, and Shuaib A, for the VISTA collaboration. Effect of Hyperthermia on Prognosis Following Acute Ischemic Stroke. **Stroke** 2009;40:3051-9
18. Sare GM, Ali M, Shuaib A, Bath PMW, for the VISTA Collaboration. Hyperacute Blood pressure in acute ischaemic stroke. **Stroke** 2009; 40:2098-2103
19. Weimar C, Ziegler A, Sacco RL, Diener HC, Ziegler A, Koenig IR on behalf of the VISTA Investigators. Predicting recovery after intracerebral hemorrhage – an external validation in patients from controlled clinical trials. **J Neurol**. 2009; 256:464–469
20. Whitehead J, Bolland K, Valdès-Márquez E, Lihic A, Ali M, Lees KR, for the VISTA Collaborators. Using historical lesion volume data in the design of a new phase II clinical trial in acute ischaemic stroke. **Stroke** 2009; 40:1347-1352
21. Ali M, Jüttler E, Lees K.R, Hacke W, Diedler J, for the VISTA and DESTINY Investigators. Patient Outcomes in Historical Comparators Compared with Randomised Controlled Trials. **International Journal of Stroke** 2010;5:10-15.
22. Weimar C, Ali M, Lees KR, Donnan GA, Diener HC, for the VISTA Steering Committee. The Virtual International Stroke Trials Archive (VISTA) – Results and impact on future stroke trials and management of stroke patients. **International Journal of Stroke** 2010; 5: 103-109.
23. Ovbiagele B, Lyden PD, Saver JL, for the VISTA Collaboration. Disability status at one month is a reliable proxy for final ischaemic stroke outcome. **Neurology** 2010;75:688-92
24. Mishra NK, Lyden PL, Grotta J, Lees KR, for the VISTA collaborators. Thrombolysis Is Associated With Consistent Functional Improvement Across Baseline Stroke Severity: A Comparison of Outcomes in Patients From the Virtual International Stroke Trials Archive (VISTA), **Stroke** 2010; 41:2612-2617.

25. Mishra N.K, Davis S.M, Kaste M. Lees KR, Comparison of outcomes following thrombolytic therapy amongst patients with prior stroke and diabetes in the Virtual International Stroke Trials Archive (VISTA). **Diabetes Care**, 2010; **33**: 2531 – 2537
26. Mishra N.K, Ahmed N, Andersen G, Herrero JE, Lindsberg P, Wahlgren N, Lees KR, for SITS and VISTA. Thrombolysis in very elderly people: controlled comparison of SITS International Stroke Thrombolysis Registry and Virtual International Stroke Trials Archive. **BMJ** 2010, **341**:c6046.
27. Mishra NK, Diener H-C, Lyden PD, Lees KR, for the VISTA collaborators, Influence of age on outcome from thrombolysis in acute stroke: a controlled comparison in patients from the Virtual International Stroke Trials Archive (VISTA). **Stroke** 2010;**41**:2840-2848.
28. Mishra NK, Diener HC, Lyden P, Lees KR. Thrombolysis is associated with Improved Outcome in Elderly Stroke Patients: A Non-randomised Comparison of Outcomes Amongst Patients from the Virtual International Stroke Trials Archive (VISTA). **Stroke** 2011 (in press).
29. Favilla CG, Mullen MT, Ali M, Higgins P, Kasner SE, On behalf of the VISTA Collaboration. Sulfonylurea Use Prior to Stroke Does Not Influence Stroke Severity or Long-term Functional Outcome. **Stroke** 2011 (in press).
30. Dowlathshahi D, Demchuk A, Flaherty ML, Ali M, Lyden P, and Smith EE, on behalf of the VISTA Collaboration. Defining hematoma expansion in intracerebral hemorrhage: relationship with patient outcomes. **Neurology** 2011 (in Press).
31. Muir K, McCormick M, Baird T, Ali M. Prevalence, Predictors and Prognosis of Post-Stroke Hyperglycaemia in acute stroke trials: Individual Patient Data Pooled Analysis from the Virtual International Stroke Trials Archive VISTA. **International Journal of Stroke**, 2011 (In Press).
32. Lees JS, Mishra NK, Saini M, Lyden PD, Shuaib A, for Virtual International Stroke Trials Archive (VISTA) Collaborators. Low Body Temperature Does Not Compromise Treatment Effect of Alteplase, **Stroke** 2011 (In Press).
33. Ali M, Bath P, Brady M, Davis S, Diener H-C, Donnan G, Fisher M, Hacke W, Hanley DF, Luby M, Tsvigoulis G, Wahlgren N, Warach S, Lees KR, on behalf of the VISTA Steering Committees, Development, Expansion and Use of a Stroke Clinical Trials Resource for Novel Exploratory Analyses, **International Journal of Stroke** (In Press).

#### **Submitted Manuscripts**

1. Tu HTH, Campbell BCV, Churilov L, Kalman JM, Lees KR, Lyden PD, Shuaib A, Donnan GA, Davis SM; on behalf of the VISTA collaborators, Frequent early cardiac complications contribute to worse stroke outcome in atrial fibrillation. **Submitted to Cerebrovascular Diseases (2011).**
1. Dawson J, Mishra NK, Quinn TJ, Higgins P, Lees KR, Weir CW, Hanley DF, Rafferty M, Walters MR, and the VISTA Investigators. Intraventricular hemorrhage and 90-day outcome after intracerebral hemorrhage; use of a simple semi-quantitative measure of hemorrhage extent. **Submitted to Stroke, 2011.**
2. Vogt G, Laage R, Shuaib A, Schneider A, Lesion volume at baseline is an independent predictor of clinical stroke outcome at day 90: An analysis of the VISTA database. **Submitted to Stroke 2011.**
3. Mishra NK, Ahmed N, Davalos A, Iversen HK, Melo T, Soenne L, Wahlgren N, Lees KR, for the SITS- and VISTA collaborators. Post thrombolysis outcomes in acute ischaemic stroke patients with prior stroke and diabetes mellitus: a comparison of SITS international registry (SITS-ISTR) thrombolysed patients versus Virtual International Stroke Trials Archive (VISTA) control. **Submitted to Neurology, 2011.**

#### **Abstracts**

1. Dawson J, Lees JS, Chang TP, Walters MR, Ali M, Davis SM, Diener HC, Lees KR, for the GAIN and VISTA Investigators. Association between disability measures and healthcare costs after initial treatment for acute stroke. **Poster Presented at ISC, San Francisco, USA. 2007.**
2. Muir KW; McCormick M; Baird T; for the VISTA investigators. Hyperglycaemia in Acute Stroke Trials: Prevalence, Predictors and Prognostic Value- An Analysis of the Virtual International Stroke Trials Archive (VISTA). **Abstract Presented at ISC, San Francisco, USA. 2007.**
3. Gray LJ, Ali M, Bath PMW, for the VISTA Collaboration. Interconversion of National Institutes of Health Stroke Scale (NIHSS) and Scandinavian Stroke Scale (SSS) impairment/severity measures in stroke trials. **Abstract Presented at ESC, Glasgow, UK, 2007.**
4. Ali M, Atula S, Bath PMW, Grotta J, Hacke W, Lyden P, Marler J, Sacco RL, Lees KR, for the VISTA Investigators, Stroke Outcomes in Clinical Trials Patients Deriving from Different Countries. **Poster Presented at EFNS, Madrid, Spain, 2008.**
5. Ali M, Lyden P, Sacco RL, Shuaib A, Lees KR, for the VISTA investigators. Natural History of Complications after Intracerebral Haemorrhage. **Poster Presented at AAN meeting, Seattle, USA, 2009.**
6. Dowlathshahi D, Demchuk AM, Flaherty ML, Ali M, Lyden P and Smith EE, and the VISTA Collaborators. A Clinically Relevant Definition for Hematoma Growth Following Intracerebral Hemorrhage. **Abstract Presented at ESC, Sweden, 2009.**
7. Dowlathshahi D, Smith EE, Flaherty ML, Ali M, Lyden P and Demchuk AM, and the VISTA Collaborators. Small intracerebral hemorrhages are associated with a low rate of hematoma expansion and do not seem appropriate for ICH hemostatic treatment trials. **Abstract Presented at ESC, Sweden, 2009.**

8. Morris JG; Kane K, Fisher M, on behalf of the VISTA Investigators. Pre-treatment with Angiotensin Converting Enzyme Inhibitors (ACEI) or Angiotensin Receptor Blockers (ARB) reduce stroke severity at presentation. **Abstract Presented at ISC, San Diego, USA. 2009.**
9. Saini M, Shuaib A, on behalf of the VISTA Investigators. Is hyperthermia is a poor prognostic factor in acute ischemic stroke patients? **Abstract Presented at ISC, San Diego, USA, 2009.**
10. Dowlatsahi D, Demchuk AM, Flaherty ML, Ali M, Lyden P and Smith EE, and the VISTA Collaborators. A Clinically Relevant Definition for Hematoma Growth Following Intracerebral Hemorrhage. **Abstract Presented at CFNS, Nova Scotia, 2009.**
11. Dowlatsahi D, Smith EE, Flaherty ML, Ali M, Lyden P and Demchuk AM, and the VISTA Collaborators. Small intracerebral hemorrhages are associated with a low rate of hematoma expansion and do not seem appropriate for ICH hemostatic treatment trials. **Abstract Presented at CFNS, Nova Scotia, 2009.**
12. Mishra NK, Diener HC, Lees KR, for the VISTA Collaborations. Thrombolysis is associated with improved outcome in elderly stroke patients: a non-randomized comparison of outcomes amongst patients from the Virtual International Stroke Trials Archive (VISTA). **Abstract Presented at ISC 2010, San Antonio, 2009.**
13. Tu H, Collins M, Kalman JM, Lees KR, Lyden PD, Donnan GA, Davis SM, on behalf of the VISTA Collaboration. Atrial fibrillation is associated with increased early cardiac morbidity and mortality following ischaemic stroke. **Abstract Presented at ESC Barcelona, Spain, 2010.**
14. Tu HTH, Collins M, Kalman JM, Lees KR, Lyden PL, Donnan GA, Davis SM, on behalf of the Virtual International Stroke Trials Archive (VISTA) Collaborators. Atrial fibrillation is associated with increased early serious cardiac adverse events following ischemic stroke, **Abstract Presented at SSA Annual Scientific Meeting 2010.**
15. Mishra NK, Ahmed N, Kaste M, Wahlgren N, Lees KR for the SITS and VISTA collaborators. Improved outcomes after thrombolysis amongst very elderly: a controlled comparison of the SITS international registry (SITS-ISTR) versus Virtual International Stroke Trials Archive (VISTA) **Abstract Presented at ESC, Barcelona, Spain, 2010.**
16. Ahmed N, Mishra NK, Hacke W, Lees KR, Wahlgren N, for the SITS-VISTA collaboration Improved outcomes after thrombolysis across baseline NIHSS scores 5-24: controlled comparison of the SITS international registry (SITS-ISTR) versus Virtual International Stroke Trials Archive (VISTA), **Abstract Presented at ESC, Barcelona, Spain, 2010.**
17. Mishra NK, Ahmed N, Davalos A, Wahlgren N, Lees KR for the SITS- and VISTA collaborators Post thrombolysis outcomes amongst patients with prior stroke and diabetes: controlled comparison of SITS international registry (SITS-ISTR) versus Virtual International Stroke Trials Archive (VISTA), **Abstract Presented at ESC, Barcelona, Spain, 2010.**
18. Mishra NK, Lyden P, Grotta JC, Lees KR for the VISTA collaborators, Thrombolysis is associated with consistent functional improvement across baseline NIHSS range 5-24: a comparison of outcomes in patients from the Virtual International Stroke Trials Archive (VISTA), Abstract, ESC 2010, Barcelona, Spain.
19. Mishra NK, Davis SM, Kaste M, Lees KR for the VISTA collaborators, Comparison of outcomes following thrombolytic therapy amongst patients with prior stroke and diabetes in the Virtual International Stroke Trials Archive (VISTA), **Abstract Presented at ESC, Barcelona, Spain, 2010.**
20. Mishra NK, Lees KR, Wahlgren NG, Ahmed N, Anderson G, Davalos A, Davis S, Herrero JE, Iversen HK, Kaste M, Lindsberg P, Soinne L, for VISTA and SITS collaborators. Outcomes After Thrombolysis Amongst Patients Aged  $\geq 80$  Years and Patients Having Diabetes or Previous Stroke: A Synopsis, **Abstract Presented at ESC, Barcelona, Spain, 2010.**
21. Mishra NM, Lees KR, Wahlgren NG, Ahmed N, Anderson G, Bluhmki E, Davalos A, Davis S, Diener HC, Grotta J, Egidio J, Klingenberg H, Kaste M, Kobayashi A, Käll TB, Lindsberg P, Lyden P, Ringleb P, Soinne L, for VISTA and SITS collaborators. Treatment effect of thrombolysis in the elderly, in diabetics with prior stroke and across a range of initial severity: results from the Virtual International Stroke Trials Archive (VISTA) and Safe Implementation of Treatment in Stroke-International Stroke Thrombolysis Register (SITS-ISTR). **Abstract Presented at the UKSF 2010.**
22. Lees JS, Mishra NK, Saini M, Lyden P, Shuaib A on behalf of the VISTA Collaboration. Low body temperature does not significantly compromise therapeutic effect of alteplase. **Poster Presented at ISC, Los Angeles, 2011.**
23. Favilla CG, Mullen MT, Ali M, Higgins P, Kasner SE, On behalf of the VISTA Collaboration. Sulfonylurea Use Prior to Stroke Does Not Influence Stroke Severity or Long-term Functional Outcome. **Abstract Presented at ISC, Los Angeles, 2011.**
24. Fulton R, Lees KR, Bluhmki E, Biegert G, Albers G, Davis S, Donnan G, Grotta J, Hacke W, Kaste M, Kummer RV, Shuaib A, Senn S, Toni D, on behalf of the VISTA Collaboration and ECASS, ATLANTIS and EPITHET, Selection for Delayed Intravenous Alteplase Treatment Based on Prognostic Score. **Poster Presented at ISC, Los Angeles, 2011.**
25. Fulton R, Gertner J, Lyden P, Lees KR, for the VISTA Collaborators, Effect on study sample size of extending time window for initiation of therapy in acute stroke: an exploratory analysis on the Virtual International Stroke Trials Archive (VISTA) **Abstract Presented ESC, Hamburg, Germany 2011.**
26. Kerr DM, Fulton R, Higgins P, Shuaib A, Lyden P, Bath PMW, Lees KR, for the VISTA Collaborators, Response of Blood Pressure and Blood Glucose to Reperfusion in Acute Ischaemic Stroke: evidence from the Virtual International Stroke Trials Archive (VISTA), **Abstract Presented ESC, Hamburg, Germany 2011.**

27. Ali M, Bath P, Brady M, Davis S, Diener HC, Donnan G, Fisher M, Hacke W, Hanley DF, Luby M, Tsivgoulis G, Wahlgren NG, Warach S, Lees KR on behalf of the VISTA Steering Committees. Development, Expansion and Use of a Stroke Clinical Trials Resource for Novel Exploratory Analyses, **Poster Presented ESC, Hamburg, Germany 2011.**
28. Ankolekar S, Hogg C, Sprigg N, Bath PMW, for the VISTA collaborators. Relationship between cognitive impairment after stroke and baseline factors and functional outcome: assessment using data from the Virtual International Stroke Trials Archive (VISTA), **Poster Presented ESC, Hamburg, Germany 2011.**

#### **Ongoing Project Titles**

1. Muir et al, Investigation of hyperglycaemia and haemorrhagic transformation
2. Dawson et al, Volumetric analysis on GAIN International, GAIN Americas, IMAGES & CHANT
3. Thijs et al, A pharmacoeconomic analysis detailing the cost of stroke in Belgium
4. Yip et al, Perihematomal edema: a predictor of poor functional outcomes on day 90 in ICH patients
5. Mishra et al, Validation of the SITS-ISTR blood pressure subgroup analysis: the effect of post stroke antihypertensive administration on functional outcome and mortality
6. Fulton et al, Exploratory analyses to guide limitation of sample size and strengthening of endpoints in clinical stroke trials
7. Kerr et al, Response of blood pressure and blood sugar to reperfusion after acute ischaemic stroke
8. Mishra et al, Influence of EPO on outcome in acute stroke: a controlled comparison between patients from the EPO trial and from VISTA
9. Saini et al, Metabolic syndrome in stroke
10. Yan & Davis, Predictors of seizures post ischaemic stroke
11. Ankolekar et al, Assessment of cognition post stroke and relationship with baseline prognostic factors and functional outcome.
12. Mishra et al, Intra-arterial thrombolysis: VISTA-PROACT collaboration.
13. Sykora & Diedler, Study effects of beta-blocker treatment on stroke course and outcome.
14. M. Mazya et al, The SITS ICH Score.
15. Ali et al, Inclusion and attrition of patients in whom stroke trial follow-up may be challenging.
16. Ali et al, Stroke-induced impairments, outcome measures and patient quality of life.

#### **VISTA-Acute: Additional Trial Contribution Status**

	<b>Trial</b>	<b>Status</b>	<b>Contact</b>
<b>1.</b>	<b>NEST</b>	26/05/09 M. Fisher offered to contact sponsors	P. Lyden/ M. Fisher
<b>2.</b>	<b>MAXI-POST</b>	31/05/09 Communication halted due to lack of response	S. Warach/ K.R. Lees
<b>3.</b>	<b>Ancrod Trials</b>	31/05/09 Communication halted due to lack of response	K. R. Lees
<b>4.</b>	<b>ARTIST</b>	31/05/09 Communication halted due to lack of response	J. Grotta
<b>5.</b>	<b>ECASS 3</b>	26/05/10 Negotiations are ongoing	K. R. Lees
<b>6.</b>	<b>Atlantis</b>	17/05/10 K. R. Lees to contact G. Albers	K. R. Lees
<b>7.</b>	<b>MERCI</b>	28/05/09 Contribution discussed at ESC 2009, M. Fisher to look at feasibility of contribution	M/ Fisher





## Marian Brady (VISTA-Rehab Chair)

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### Summary

Status	Details
Patient Data Available	10,194
Commitments to Contribute Trial Data	14
Completed Projects	0
Active Projects	2
Publications	3
Abstracts	10

### Steering Committee

Name	Affiliation
M. Brady (Chair)	NMAHP Research Unit, Glasgow Caledonian University, UK
M. Ali	NMAHP Research Unit, Glasgow Caledonian University, UK
A. Ashburn	School of Health Sciences, University of Southampton, UK
D. Barer	Stroke Research Team, Queen Elizabeth Hospital, Gateshead, UK
J. Bernhardt	National Stroke Research Institute, Austin Health, Melbourne, Australia.
A. Bowen	School of Psychological Sciences, University of Manchester, UK
E. Brodie	Department of Psychology, Glasgow Caledonian University, UK
S. Corr	Division of Occupational Therapy, University of Northampton, Northampton, UK
A. Drummond	School of Community Health Sciences, University of Nottingham, UK
J. Edmans	School of Community Health Sciences, University of Nottingham, UK
C. English	School of Health Sciences, University of South Australia, Australia.
J. Gladman	School of Community Health Sciences, University of Nottingham, UK
L. Kalra	King's College London, London, UK
P. Langhorne	Academic Section of Geriatric Medicine, Glasgow Royal Infirmary and Faculty of Medicine, University of Glasgow, UK
K.R. Lees	Institute of Cardiovascular and Medical Sciences, Faculty of Medicine, University of Glasgow, UK
N. Lincoln	Institute of Work, Health and Organisations, University of Nottingham, UK
P. Logan	School of Community Health Sciences, University of Nottingham, UK
L. Jongbloed	Dr University of British Columbia, Canada
G. Mead	Clinical Sciences & Community Health, University of Edinburgh, UK
A. Pollock	NMAHP Research Unit, Glasgow Caledonian University, UK
V. Pomeroy	Health and Social Sciences Research Institute, University of East Anglia
H. Rodgers	Institute for Ageing and Health, Newcastle University, UK
C. Sackley	University of Birmingham, UK
L. Shaw	Institute for Ageing and Health, Newcastle University, UK
D.J. Stott	Academic Section of Geriatric Medicine, Glasgow Royal Infirmary, Glasgow UK.
K.S. Sunnerhagen	Section for Clinical Neuroscience and Rehabilitation, University of Gothenburg, Sweden
S. Tyson	School of Health, Sport and Rehabilitation, Frederick Rd Campus, University of Salford, Salford, UK
P. van Vliet	Division of Physiotherapy Education, School of Nursing, Midwifery and Physiotherapy, University of Nottingham
M. Walker	School of Community Health Sciences, University of Nottingham, UK
W. Whiteley	Department of Clinical Neurosciences, Western General Hospital, Edinburgh



## Publications

1. Ali M, Ashburn A, Bowen A, Brodie E, Corr S, Drummond A, Edmans J, Gladman J, Kalra L, Langhorne P, Lees KR, Lincoln N, Logan P, Mead G, Patchick E, Pollock A, Pomeroy V, Sackley C, Sunnerhagen KS, van Vliet P, Walker M, Brady M, On behalf of the VISTA-Rehab Investigators, VISTA-Rehab: A Resource for Stroke Rehabilitation Trials, **International Journal of Stroke**, **2010;5: 447–452**.
2. Brady M, Reduce, Reuse, Recycle. **International Journal of Stroke**, **2010;5:421-2**
3. Ali M, Bath P, Brady M, Davis S, Diener H-C, Donnan G, Fisher M, Hacke W, Hanley DF, Luby M, Tsvigoulis G, Wahlgren N, Warach S, Lees KR, on behalf of the VISTA Steering Committees, Development, Expansion and Use of a Stroke Clinical Trials Resource for Novel Exploratory Analyses, **International Journal of Stroke (In Press)**.

## Abstracts

1. Ali M, Corr S, Langhorne P, Lees KR, Pollock A, Walker M and Brady M. Rehabilitation trials within the Virtual International Stroke Trials Archive (VISTA-Rehab). **Poster Presented at SSRN, 28<sup>th</sup> Oct, Glasgow, UK, 2008**.
2. Ali M, Corr S, Langhorne P, Lees KR, Pollock A, Walker M and Brady M. Rehabilitation trials within the Virtual International Stroke Trials Archive (VISTA-Rehab). **Poster Presented at UKSF, 2<sup>nd</sup> -4<sup>th</sup> Dec, Harrogate, UK, 2008**.
3. Ali M, Corr S, Drummond A, Edmans J, Gladman J, Jongbloed L, Langhorne P, Lees KR, Lincoln N, Logan P, Mead G, Pollock A, Pomeroy V, Sackley C, Walker M and Brady M. Rehabilitation trials within the Virtual International Stroke Trials Archive (VISTA-Rehab). **Poster Presented at SRR Conference 3<sup>rd</sup> Feb, Derby, UK, 2009**.
4. Ali M, Ashburn A, Bowen A, Brodie E, Corr S, Drummond A, Edmans J, Gladman J, Jongbloed L, Kalra L, Langhorne P, Lees KR, Lincoln N, Logan P, Mead G, Patchick E, Pollock A, Pomeroy V, Sackley C, van Vliet P, Walker M, Brady M, On behalf of the VISTA-Rehab Investigators, Rehabilitation Trials within the Virtual International Stroke Trials Archive - VISTA-Rehab. **Poster Presented at ESC, 26<sup>th</sup> -29<sup>th</sup> May, Stockholm, Sweden, 2009**.
5. Ali M, Ashburn A, Bowen A, Brodie E, Corr S, Drummond A, Edmans J, Gladman J, Jongbloed L, Kalra L, Langhorne P, Lees KR, Lincoln N, Logan P, Mead G, Patchick E, Pollock A, Pomeroy V, Sackley C, Sunnerhagen KS, van Vliet P, Walker M, Brady M, On behalf of the VISTA-Rehab Investigators, Rehabilitation Trials within the Virtual International Stroke Trials Archive - VISTA-Rehab. **Poster Presented at Research into practice Conference November, Stirling, Scotland, 2009**.
6. Ali M, Ashburn A, Bowen A, Brodie E, Corr S, Drummond A, Edmans J, Gladman J, Jongbloed L, Kalra L, Langhorne P, Lees KR, Lincoln N, Logan P, Mead G, Patchick E, Pollock A, Pomeroy V, Sackley C, Sunnerhagen KS, van Vliet P, Walker M, Brady M, On behalf of the VISTA-Rehab Investigators, VISTA-Rehab: Expansion of the VISTA clinical trial resource. **Poster Presented at UKSF, Glasgow, Scotland, 2009**.
7. Ali M, Ashburn A, Bowen A, Brodie E, Corr S, Drummond A, Edmans J, Gladman J, Jongbloed L, Kalra L, Langhorne P, Lees KR, Lincoln N, Logan P, Mead G, Patchick E, Pollock A, Pomeroy V, Sackley C, van Vliet P, Walker M, Brady M, On behalf of the VISTA-Rehab Investigators, VISTA-Rehab: A Resource for Stroke Rehabilitation Trials, **Poster Presented at ISC, San Antonio, Tx, 2010**.
8. Ali M, Ashburn A, Bowen A, Brodie E, Corr S, Drummond A, Edmans J, Gladman J, Jongbloed L, Kalra L, Langhorne P, Lees KR, Lincoln N, Logan P, Mead G, Patchick E, Pollock A, Pomeroy V, Sackley C, van Vliet P, Walker M, Brady M, On behalf of the VISTA-Rehab Investigators, VISTA-Rehab: A Resource for Stroke Rehabilitation Trials, **Poster Presented at ISA, Delhi, India, 2010**.
9. The VISTA-Rehab Steering Committee members, Rehabilitation trials within the Virtual International stroke Trials Archive: VISTA-Rehab, **Poster Presented at ESC, Barcelona, Spain, 2010**.
10. Ali M, Bath P, Brady M, Davis S, Diener HC, Donnan G, Fisher M, Hacke W, Hanley DF, Luby M, Tsvigoulis G, Wahlgren NG, Warach S, Lees KR on behalf of the VISTA Steering Committees. Development, Expansion and Use of a Stroke Clinical Trials Resource for Novel Exploratory Analyses, **Poster Presented at the ESC, Hamburg, Germany 2011**.

## Ongoing Project Titles

1. Ali et al, Inclusion and attrition of patients in whom stroke trial follow-up may be challenging.
2. Ali et al, Stroke-induced impairments, outcome measures and patient quality of life.

### VISTA-Rehab: Additional Trial Contribution Status

	<b>Trial</b>	<b>Details</b>	<b>PI/Trial Contact</b>	<b>Point of Contact</b>
1.	<b>Nursing Rehab Trial</b>	Commitment to contribute secured in March 2010	Burton C.	M. Brady
2.	<b>SEATAS</b>	Commitment to contribute secured in March 2010	Godecke E.	M. Brady
3.	<b>CLOTS I</b>	Commitment to contribute secured May 2010	Dennis M.	M. Brady
4.	<b>CLOTS II</b>	Commitment to contribute secured May 2010	Dennis M.	M. Brady
5.	<b>CLOTS III</b>	Commitment to contribute secured May 2010	Dennis M.	M. Brady
6.	<b>Unspecified x2</b>	Commitment to contribute secured May 2010	Bath P.	M. Ali
7.	<b>The effects of functional strength training on lower limb strength and function after stroke.</b>	Commitment to contribute secured November 2010	Pomeroy V.	M. Brady
8.	<b>A comparison of bilateral and unilateral upper-limb task training in early poststroke rehabilitation: a randomised controlled trial</b>	Jacqui Morris & Fredericke van Wijck Contribution secured 2010.	Morris J./van Wijck F.	M. Brady
9.	<b>EXCITE trial</b>	Negotiations Ongoing	Wolf S.	M. Ali
10.	<b>Design and methods of a randomised controlled trial on early speech and language therapy in patients with acute stroke and aphasia.</b>	Negotiations Ongoing	Laska AC, Kahan T, Hellblom A, Murray V, von Arbin M.	M. Brady
11.	<b>Efficacy of early cognitive linguistic treatment and communicative treatment in aphasia after stroke: a randomised controlled trial (RATS-2).</b>	Negotiations Ongoing	M de Jong-Hagelstein, W M E van de Sandt-Koenderman, N D Prins, D W J Dippel, P J Koudstaal, E G Visch-Brink.	M. Brady
12.	<b>Cues on request: the efficacy of Multicue, a computer program for word finding therapy.</b>	Negotiations Ongoing	Doesborgh SJC, van de Sandt-Koenderman MWME, Dippel DWJ, van Harskamp F, Koudstaal PJ, Visch-Brink EG.	M. Brady
13.	<b>Effects of semantic treatment on verbal communication and linguistic processing in aphasia after stroke: a randomized controlled trial.</b>	Negotiations Ongoing	Doesborgh SJC, van de Sandt-Koenderman MWME, Dippel DWJ, Koudstaal PJ, Visch-Brink EG.	M. Brady
14.	<b>How much is enough and when is the right time? Developing strategies for assessing aphasia rehabilitation. (RCT)</b>	MB emailed, interested in contributing, awaiting publication	Kukkonen T, Molnár G, Korpiaakko-Huuhka A-M.	M. Brady

### Summary

Status	Details
Patient data available	0
Commitments to Contribute Trial Data	6
Completed Projects	0
Active Projects	0
Publications	1
Abstracts	5

### Steering Committee

Name	Details
K. R. Lees	Division of Cardiovascular and Medical Sciences, Faculty of Medicine, University of Glasgow, UK
H.C. Diener	Department of Neurology, University of Duisburg-Essen, Germany
S.M Davis	Department of Neurology, Royal Melbourne Hospital, University of Melbourne, Australia

### Publications

1. Ali M, Bath P, Brady M, Davis S, Diener H-C, Donnan G, Fisher M, Hacke W, Hanley DF, Luby M, Tsivgoulis G, Wahlgren N, Warach S, Lees KR, on behalf of the VISTA Steering Committees, Development, Expansion and Use of a Stroke Clinical Trials Resource for Novel Exploratory Analyses, **International Journal of Stroke (In Press)**.

### Abstracts/ Posters/ Presentations

1. Ali M, Diener, Davis SM, Numminen H, Lees KR, On behalf of the VISTA-Plus and VISTA-Prevention Investigators. Secondary Prevention and Observational Study Data within the Virtual International Stroke Trials Archive (VISTA-Prevention & VISTA-Plus), **Poster Presented at ISC, San Antonio, Tx. 2010.**
2. Ali M, Diener, Davis SM, Numminen H, Lees KR, On behalf of the VISTA-Plus and VISTA-Prevention Investigators. Secondary Prevention and Observational Study Data within the Virtual International Stroke Trials Archive (VISTA-Prevention & VISTA-Plus), **Poster Presented at ISA, Delhi, India, 2010**
3. The VISTA Steering Committees, Development and Expansion of the Virtual International Stroke Trials Archive (VISTA), **Poster presented at ESC, Barcelona, Spain, 2010.**
4. Ali M, Bath P, Brady M, Davis S, Diener HC, Donnan G, Fisher M, Hacke W, Hanley DF, Luby M, Tsivgoulis G, Wahlgren NG, Warach S, Lees KR on behalf of the VISTA Steering Committees. Development, Expansion and Use of a Stroke Clinical Trials Resource for Novel Exploratory Analyses, **Poster Presented at the ESC, Hamburg, Germany, 2011.**
5. Ali M, Bath P, Brady M, Davis S, Diener HC, Donnan G, Fisher M, Hacke W, Hanley DF, Luby M, Tsivgoulis G, Wahlgren NG, Warach S, Lees KR on behalf of the VISTA Steering Committees. Development, Expansion and Use of a Stroke Clinical Trials Resource for Novel Exploratory Analyses, **Poster Presented ESC, Hamburg, Germany 2011.**

### VISTA-Prevention: Additional Trial Contribution Status

	<b>Trial</b>	<b>Status</b>	<b>Contact</b>
1.	<b>ESPS II</b>	2009 Contribution promised	HC. Diener
2.	<b>ProFess</b>	2009 BI have said that data transfer will take a year	HC. Diener
3.	<b>ESPRIT</b>	Handover of data has been agreed in principle 01/08/09- Ale Algra was sent relevant documents but has not yet responded.	HC. Diener/ KR. Lees
4.	<b>SPIRIT</b>	Handover of data has been agreed in principle 01/08/09- Ale Algra was sent relevant documents but has not yet responded.	HC. Diener/ KR. Lees
5.	<b>MATCH</b>	2009-Although Sanofi are in favour, BMS have so far declined access to data.	S. Yusuf
6.	<b>CHARISMA</b>	2009-Although Sanofi are in favour, BMS have so far declined access to data.	S. Yusuf
7.	<b>CAPRIE</b>	2009-Although Sanofi are in favour, BMS have so far declined access to data.	S. Yusuf
8.	<b>RE-LY (Dabigatran)</b>	2009-Contains stroke patient subgroups, BI have agreed in principle and Salim Yusuf has still to agree, as PI	S. Yusuf
9.	<b>ROCKET-AF (Rivaroxaban)</b>	Contains stroke patient subgroups, BI have agreed in principle and Salim Yusuf has still to agree, as PI.	S. Yusuf
10.	<b>ARISTOTLE (Apixaban)</b>	2009-Contains stroke patient subgroups, BI have agreed in principle and Salim Yusuf has still to agree, as PI.	S. Yusuf
11.	<b>VITATOPS</b>	2009-G. Hankey has agreed in principle to contribute data once the trial is complete and published	G. Hankey
12.	<b>WARSS</b>	2009-Trials were conducted by publicly sponsored trial groups, and should be available	TBC
13.	<b>NASCET</b>	2009-Trials were conducted by publicly sponsored trial groups, and should be available	TBC
14.	<b>PERFORM</b>	Ongoing follow up for 2-4 years	(Long term)



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### Summary

Status	Details
Patient data available	1,829
Commitments to Contribute Trial Data	3
Completed Projects	0
Active Projects	3
Publications	1
Abstracts	4

### Steering Committee

Name	Details
<b>D. F. Hanley</b>	Division of Brain Injury Outcomes, The Johns Hopkins Medical Institutions, Baltimore, MD, USA
<b>K. R. Lees</b>	Division of Cardiovascular and Medical Sciences, Faculty of Medicine, University of Glasgow, UK
<b>P. Lyden</b>	Department of Neurology, Cedars-Sinai Medical Center, Los Angeles, CA, USA
<b>K. Muir</b>	Division of Clinical Neurosciences, University of Glasgow, Southern General Hospital, Glasgow
<b>S. Davis</b>	Department of Neurology, Royal Melbourne Hospital, Australia.
<b>B. Gregson</b>	Newcastle General Hospital, Westgate Road, Newcastle upon Tyne, UK

### Publications

1. Ali M, Bath P, Brady M, Davis S, Diener H-C, Donnan G, Fisher M, Hacke W, Hanley DF, Luby M, Tsvigoulis G, Wahlgren N, Warach S, Lees KR, on behalf of the VISTA Steering Committees, Development, Expansion and Use of a Stroke Clinical Trials Resource for Novel Exploratory Analyses, **International Journal of Stroke (In Press)**.

### Abstracts/ Posters/ Presentations

1. The VISTA Steering Committees, Development and Expansion of the Virtual International Stroke Trials Archive (VISTA), **Poster Presented at the ESC, Barcelona, Spain 2010.**
2. Ali M, Bath P, Brady M, Davis S, Diener HC, Donnan G, Fisher M, Hacke W, Hanley DF, Luby M, Tsvigoulis G, Wahlgren NG, Warach S, Lees KR on behalf of the VISTA Steering Committees. Development, Expansion and Use of a Stroke Clinical Trials Resource for Novel Exploratory Analyses, **Poster Presented at the ESC, Hamburg, Germany 2011.**
3. Rincon F, Lyden PD, Mayer S, on behalf of VISTA Collaborators, Association between hyperthermia, functional outcome, and hematoma growth after ICH, **Abstract Presented at the ESC, Hamburg, Germany 2011.**
4. Ali M, Bath P, Brady M, Davis S, Diener HC, Donnan G, Fisher M, Hacke W, Hanley DF, Luby M, Tsvigoulis G, Wahlgren NG, Warach S, Lees KR on behalf of the VISTA Steering Committees. Development, Expansion and Use of a Stroke Clinical Trials Resource for Novel Exploratory Analyses, **Poster Presented ESC, Hamburg, Germany 2011.**

### Ongoing Project Titles

1. Rincon et al, Association between hyperthermia, functional outcome, and hematoma growth after ICH.
2. Ali et al, Inclusion and attrition of patients in whom stroke trial follow-up may be challenging.
3. Ali et al, Stroke-induced impairments, outcome measures and patient quality of life.

### VISTA-ICH: Additional Trial Contribution Status

	<b>Trial</b>	<b>Status</b>	<b>Contact</b>
<b>1.</b>	<b>STICH 2</b>	04/05/11 D. Hanley discussed contribution with D. Mendelow and B. Gregson. Negotiations ongoing	D. Hanley
<b>2.</b>	<b>NovoSeven</b>	05/05/11 Contracts for data transfer being finalised.	K. R. Lees
<b>3.</b>	<b>CLEAR</b>	Trial to be contributed when publication cycle is completed	D. Hanley

### Summary

Status	Details
Patient data available	7876
Commitments to Contribute Registry Data	0
Completed Projects	0
Active Projects	2
Publications	1
Abstracts	4

### Steering Committee

Name	Details
K.R. Lees	Division of Cardiovascular and Medical Sciences, Faculty of Medicine, University of Glasgow, UK
H. Numminen	Department of Clinical Neuroscience, Helsinki University Central Hospital, Helsinki, Finland
G. Tsivgoulis	Comprehensive Stroke Center, University of Alabama at Birmingham, USA.
C. Molina	Unitat Neurovascular, Servicio de Neurología, Hospital Universitari Vall d'Hebron, Barcelona
C. Weimar	Department of Neurology, University Hospital Essen, Hufelandstr., Germany
S. Warach	Stroke Diagnostics and Therapeutics Section, Stroke Branch, NINDS, NIH, MD, USA

### Publications

1. Ali M, Bath P, Brady M, Davis S, Diener H-C, Donnan G, Fisher M, Hacke W, Hanley DF, Luby M, Tsivgoulis G, Wahlgren N, Warach S, Lees KR, on behalf of the VISTA Steering Committees, Development, Expansion and Use of a Stroke Clinical Trials Resource for Novel Exploratory Analyses, **International Journal of Stroke (In Press)**.

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1. Ali M, Diener, Davis SM, Numminen H, Lees KR, On behalf of the VISTA-Plus and VISTA-Prevention Investigators. Secondary Prevention and Observational Study Data within the Virtual International Stroke Trials Archive (VISTA-Prevention & VISTA-Plus), **Poster Presented at ISC, San Antonio, Tx. 2010.**
2. Ali M, Diener, Davis SM, Numminen H, Lees KR, On behalf of the VISTA-Plus and VISTA-Prevention Investigators. Secondary Prevention and Observational Study Data within the Virtual International Stroke Trials Archive (VISTA-Prevention & VISTA-Plus), **Poster Presented at ISA, Delhi, India, 2010.**
3. The VISTA Steering Committees, Development and Expansion of the Virtual International Stroke Trials Archive (VISTA), **Poster Presented at ESC, Barcelona, Spain, 2010.**
4. Ali M, Bath P, Brady M, Davis S, Diener HC, Donnan G, Fisher M, Hacke W, Hanley DF, Luby M, Tsivgoulis G, Wahlgren NG, Warach S, Lees KR on behalf of the VISTA Steering Committees. Development, Expansion and Use of a Stroke Clinical Trials Resource for Novel Exploratory Analyses, **Poster Presented at the ESC, Hamburg, Germany 2011.**

### Ongoing Project Titles

1. Ali et al, Inclusion and attrition of patients in whom stroke trial follow-up may be challenging.
2. Ali et al, Stroke-induced impairments, outcome measures and patient quality of life.



### Summary

Status	Details
Data Available	375
Completed Projects	0
Publications	1
Abstracts	2

### Steering Committee

Name	Details
<b>S. Warach (Chair)</b>	Stroke Diagnostics and Therapeutics Section, Stroke Branch, NINDS, NIH, MD, USA
<b>G. Albers</b>	Department of Neurology, Stanford School of Medicine, CA, USA
<b>S. Davis</b>	Department of Neurology, Royal Melbourne Hospital, Australia
<b>G. Donnan</b>	Department of Medicine, University of Melbourne, Australia
<b>M. Fisher</b>	Department of Neurology, University of Massachusetts Medical School, MA, USA
<b>T. Furlan</b>	Department of Neurology, University Hospitals of Cleveland, OH, USA
<b>J. Grotta</b>	Department of Neurology, University of Texas Medical School at Houston, TX, USA
<b>W. Hacke</b>	Department of Neurology, University of Heidelberg, Germany
<b>C. Kidwell</b>	Department of Neurology, Georgetown University, DC, USA
<b>W. Koroshetz</b>	Deputy Director, NINDS, NIH, MD, USA
<b>K. R. Lees</b>	Division of Cardiovascular and Medical Sciences, Faculty of Medicine, University of Glasgow, UK
<b>M. Lev</b>	Department of Radiology, Massachusetts General Hospital, MA, USA
<b>A. G. Sorensen</b>	Department of Radiology, Massachusetts General Hospital, MA, USA
<b>J. Wardlaw</b>	Division of Clinical Neurosciences, Western General Hospital, University of Edinburgh, UK
<b>M. Wintermark</b>	Department of Radiology & Medical Imaging Neuroradiology, School of Medicine, University of Virginia, USA
<b>V. Thijs</b>	Department of Neurology, University Hospitals and Vesalius Research Center, VIB, Leuven, Belgium.

### Publications

1. Ali M, Bath P, Brady M, Davis S, Diener H-C, Donnan G, Fisher M, Hacke W, Hanley DF, Luby M, Tsivgoulis G, Wahlgren N, Warach S, Lees KR, on behalf of the VISTA Steering Committees, Development, Expansion and Use of a Stroke Clinical Trials Resource for Novel Exploratory Analyses, **International Journal of Stroke (In Press)**.

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1. The VISTA Steering Committees, Development and Expansion of the Virtual International Stroke Trials Archive (VISTA), **Poster Presented at ESC Barcelona, Spain, 2010**.
2. Ali M, Bath P, Brady M, Davis S, Diener HC, Donnan G, Fisher M, Hacke W, Hanley DF, Luby M, Tsivgoulis G, Wahlgren NG, Warach S, Lees KR on behalf of the VISTA Steering Committees. Development, Expansion and Use of a Stroke Clinical Trials Resource for Novel Exploratory Analyses, **Poster Presented ESC, Hamburg, Germany 2011**.

### **Training Opportunities**

Project Development and Training exchanges have taken place in Glasgow, Texas and Stockholm. Dr. Karim Hajjar from the University of Essen has been working at the University of Glasgow to study the responsiveness to treatment of cognitive measures, as an adjunct to the modified Rankin Scale.

Dr. Nishant Mishra (University of Glasgow) was awarded the Jim Gatheral Scholarship to examine the outcomes of thrombolysed patients from various ethnicities, under the supervision of Dr. James Grotta. He also visited the Karolinska institute in 2010 as part of his ongoing work on thrombolysis in the elderly.

Over the next 2 years Dr. Michael Mazya From the Karolinska Institute, Stockholm, will be working in Glasgow to validate the SITS ICH Score in a non-SITS thrombolysed population.

### **Awards**

For the second consecutive year a VISTA abstract has been awarded the Young Investigator Award at the European Stroke Conference. Following the success of Dr. Hans Tu (University of Melbourne) in 2010, Rachael Fulton (University of Glasgow) will accept her award at this year's ceremony.

## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.