



The Virtual International Stroke Trials Archive



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**Pestana Palace Hotel
Rua Jau, 54 • 1300-314
Lisboa - Portugal**

**10.15-12.00
Room: *Alter Real***

Agenda

10.15 Start

Introductions

Summaries

VISTA-Acute

VISTA-Rehab

VISTA-Prevention

VISTA-ICH

VISTA-Plus

VISTA-Imaging

11.15 Other Business

Subscription Charges

Logo

11.30 End of Main Session

11.30 Individual Group Meetings (TBC)

12.00 Close



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Summary

Status	Details
Patient Data Available	28,190
Commitments to Contribute Trial Data	1
Completed Projects	39
Active Projects	18
Published Papers	39
Abstracts/Posters	40

Steering Committee

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

Publications

Journal Articles

1. 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
2. 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.
3. 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
4. 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 (6):432-42
5. 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(1):10-15.
6. 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
7. 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.
8. Diener HC, Weimar C, Ali M, Lees KR, Die virtuelle internationale Schlaganfallstudien-Archiv (VISTA) – Bedeutung für die Schlaganfallforschung, **Akt Neurol** 2009;36:174-179
9. 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
10. 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
11. 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.
12. 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.
13. 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: (6):453-457
14. König 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
15. 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
16. 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
17. 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
18. 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
19. Sare GM, Ali M, Shuaib A, Bath PMW, for the VISTA Collaboration. Hyperacute Blood pressure in acute ischaemic stroke. **Stroke** 2009; 40:2098-2103

20. 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
21. 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.
22. 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
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**; **24**; **75**(8):688-92.
24. 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**; **42** 710-715
25. 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.
26. 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
27. 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.
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**
29. 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**.
30. 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. **Cerebrovasc Dis Extra** **2011**; **1**:17-27.
31. Dowlatshahi 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**; **76** 1238-1244
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**; **42**: 2618-2621
33. 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. **Cerebrovascular Diseases** **2011**; **32**(5):454-60.
34. Kerr, Fulton, Lees, for the VISTA Collaborators. Day 7 NIHSS is a Sensitive Outcome Measure for Exploratory Clinical Trials in Acute Stroke: Evidence from the Virtual International Stroke Trials Archive (VISTA), **Stroke** **2012**; doi: [10.1161/STROKEAHA.111.644484](https://doi.org/10.1161/STROKEAHA.111.644484).
35. 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. **Stroke** **2012**; doi: [10.1161/STROKEAHA.111.646570](https://doi.org/10.1161/STROKEAHA.111.646570).
36. 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** **2012**; **7**: 133-138.

37. Hajjar K, Fulton RL, Diener HC, Lees KR, for the VISTA Collaborators. Responsiveness to treatment of cognitive measures as an adjunct to modified Rankin scale for outcome assessment after acute stroke **International Journal of Stroke (In Press)**.
38. Ali M, Hazelton C, Lyden P, Pollock A, Brady M, on behalf of the VISTA Collaboration, Recovery from Post-Stroke Visual Impairment: Evidence from a Clinical Trials Resource, **JNNR 2012 (In Press)**.
39. Frank B, Fulton R, Weimar C, Shuaib A, Lees KR, for the VISTA Collaborators Impact of Atrial Fibrillation on Outcome in Thrombolysed Stroke Patients: Evidence from the Virtual International Stroke Trials Archive (VISTA), **Stroke 2012 (In Press)**.

Abstracts

1. 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.
2. Ali M, Lyden P, Sacco RL, Shuaib A, Lees KR, for the VISTA investigators. Natural History of Complications after Intracerebral Haemorrhage. **Poster** at AAN meeting, Seattle, USA, 2009.
3. 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.
4. Dowlatshahi 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.
5. Dowlatshahi 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.
6. 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 International Stroke Conference San Diego, USA. 2009
7. 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 the International Stroke Conference San Francisco, USA. 2007.
8. 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 the European Stroke Conference, Glasgow, UK, 2007.
9. Saini M, Shuaib A, on behalf of the VISTA Investigators. Is hyperthermia is a poor prognostic factor in acute ischemic stroke patients? **Abstract** for ISC, San Diego, USA, 2009
10. Dowlatshahi 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. Dowlatshahi 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**, ESC 2010, Barcelona, Spain
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, 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**, ESC 2010, Barcelona, Spain.
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**, ESC 2010, Barcelona, Spain.
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**, ESC 2010, Barcelona, Spain.
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**, ESC 2010, Barcelona, Spain.
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 ≥ 80 Years and Patients Having Diabetes or Previous Stroke: A Synopsis, **Platform Presentation** at ESC, Barcelona, 2010.
21. Mishra NM, Lees KR, Wahlgren NG, Ahmed N, Anderson G, Bluhmki E, Davalos A, Davis S, Diener HC, Grotta J, Egido 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). **Platform Presentation** 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** 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. **Platform Presentation** 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. **Platform Presentation** 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) **Platform Presentation** 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), **Platform Presentation** 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 Presentation** 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 Presentation** ESC, Hamburg, Germany 2011.

29. Ali M, Hazelton C, Brady M, Lyden P, Pollock A, On Behalf of the VISTA Collaboration. Recovery from Post-Stroke Visual Impairment: Evidence from a Clinical Trials Resource. **Platform Presentation** at UKSF, 2011.
30. Ali M, Hazelton C, Brady M, Lyden P, Pollock A, On Behalf of the VISTA Collaboration. Recovery from Post-Stroke Visual Impairment: Evidence from a Clinical Trials Resource. **Poster** at International Stroke Conference 2012, New Orleans, USA.
31. Kerr DM, Fulton RF, Lees KR, for the VISTA Collaborators. Day 7 NIHSS is a Sensitive Outcome Measure for Exploratory Clinical Trials in Acute Stroke: Evidence from the Virtual International Stroke Trials Archive (VISTA). **Poster** at International Stroke Conference 2012, New Orleans, USA.
32. Rachael L Fulton RL, Kerr DM, Bluhmki E, Lees KR for the VISTA Collaborators and the ECASS, ATLANTIS, EPITHET and NINDS investigators. Validation of Day 7 NIHSS as a Sensitive Outcome Measure for Exploratory Clinical Trials in Acute Stroke: Evidence from pooled randomised control trials in thrombolysis. **Platform Presentation** at European Stroke Conference 2012, Lisbon, Portugal.
33. Saini M, Saqqur M, Shuaib A, on behalf of the VISTA Collaboration. Effect of Body-Mass Index and Metabolic syndrome on Ischemic Stroke Outcome, **Poster Presentation** at European Stroke Conference 2012, Lisbon, Portugal.
34. Frank B, Fulton R, Weimar C, Shuaib A, Lees KR, for the VISTA Collaborators, Impact of Atrial Fibrillation on Outcome in Thrombolysed Stroke Patients: Evidence from the Virtual International Stroke Trials Archive (VISTA), **Platform Presentation** at the European Stroke Conference 2012, Lisbon, Portugal.
35. Goldie FC, Fulton R, Frank B, Lees KR, for the VISTA Collaborators. Interdependence of Stroke Outcome Scales: availability of reliable estimates from the Virtual International Stroke Trials Archive (VISTA), **Poster Presented** at European Stroke Conference 2012, Lisbon Portugal.
36. Hajjar K, Diener HC and Lees KR, on behalf of the VISTA Collaboration. Cognitive measures as an adjunct to modified Rankin scale for outcome assessment after acute stroke, **Poster Presentation** at the European Stroke Conference 2012, Lisbon, Portugal.
37. Ali M, Bath P, Lyden P, Brady M on behalf of the VISTA Collaboration, Inclusion and Attrition of Patients with Aphasia in Acute Stroke Clinical Trials, **Poster Presented** at European Stroke Conference 2012, Lisbon, Portugal.
38. Ali M, Hazelton C, Lyden P, Pollock, Brady M on behalf of the VISTA Collaboration. Recovery from Post-Stroke Visual Impairment: Evidence from the Virtual International Stroke Trials Archive (VISTA), **Platform Presentation** at European Stroke Conference 2012, Lisbon, Portugal.
39. Ali M, Lyden P, Brady M, on behalf of the VISTA Collaboration. Evolution of Post-Stroke Aphasia and Dysarthria in Acute Stroke: Analysis of Data from the Virtual International Stroke Trials Archive (VISTA), **Platform Presentation** at European Stroke Conference 2012, Lisbon, Portugal.
40. Tu HTH, Campbell BCV, Meretoja A, Churilov L, Lees KR, Donnan GA, Davis SM on behalf of the VISTA Investigators, The Impact of CHADS2 Score and Atrial Fibrillation on Early Stroke Morbidity and Mortality, **Poster Presented** at European Stroke Conference 2012, Lisbon, Portugal.



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Summary

Status	Details
Patient Data Available	10,224
Commitments to Contribute Trial Data	16
Completed Projects	0
Active Projects	2
Publications	4
Abstracts	15

VISTA-Rehab Summary May 2012

VISTA-Rehab has continued to expand and develop over the last year. Since the last meeting at the European Stroke Conference in Hamburg, there has been a renewed effort on two counts (i) to recruit more international trials and to (ii) begin to demonstrate the worth of VISTA-Rehab through effective use of the resource.

New contributions

Julie Bernhard and Coralie English both set themselves a target of recruiting 20 Australian trials to VISTA-Rehab. This effort has already yielded physical contributions from 2 new members and an additional 2 trial datasets with the promise of 4 more as soon as the various publication cycles are concluded. VISTA-Rehab will also be mentioned at the WCR Clinical Trials in NeuroRehabilitation: Taking Stock and Moving Forward” symposium to encourage contribution.

Projects and Planned Analyses

1. Investigation of post-stroke spasticity (T. Wein, Canada). Proposed project has been support by Allergan.
2. Post-Stroke Aphasia (M. Brady). Outline proposal submitted to COST.
3. Standardisation of Outcome Measures for Upper Limb Impairment (M. Ali) in development with a view towards submission to CSO.
4. Prevalence and Recovery from Post-Stroke Urinary Incontinence (M. Brady). Outline application approved by CSO. Full application currently under consideration.
5. An investigation of the natural history of recovery from post-stroke visual impairment (M. Ali).
6. Recovery from post-stroke communication impairment (M. Ali).
7. The inclusion and attrition of patients with communication impairment in clinical trials (M. Ali).

Dissemination

1. Findings from the natural history of post-stroke visual impairment project
 - a. Invited presentation at UKSF 2011,
 - b. Paper accepted for publication in JNNR
2. Invited article relating to the need for standardised data collection in stroke rehab trials. This includes data from VISTA-Rehab and highlights the lack of comparability between trial datasets which measure similar impairments. Submitted April 2012. Julie Bernhardt is the guest editor of a Rehab edition of the International Journal of Stroke.
3. A poster describing VISTA-Rehab is being presented at the World Congress for NeuroRehabilitation 2012 in Melbourne.
4. Myzoon's work on visual and communication impairment included some data from VISTA-Rehab and was also presented at the European Stroke Conference.

Action Points from May 2011

ACTION: P. Bath will contribute data on the STAR and STEMS trials to VISTA-Rehab.

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
S. Kuys	Allied Health Research Collaborative, The Prince Charles Hospital, Queensland, Australia
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** 2012;7: 133-138.
4. Ali M, Hazelton C, Lyden P, Pollock A, Brady M, on behalf of the VISTA Collaboration, Recovery from Post-Stroke Visual Impairment: Evidence from a Clinical Trials Resource, **JNNR 2012 (In Press)**.

Abstracts

1. 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 Presentation** at SRR Conference 3rd Feb 2009, Derby, UK.
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 Presentation** at UKSF, 2nd -4th Dec 2008, Harrogate, UK.
3. 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, 28th Oct 2008, Glasgow, UK.
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 Presentation** at ESC, 26th-29th May, 2009, Stockholm, Sweden.
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 Presentation** at Research into practice Conference November, 2009, Stirling, Scotland.
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 Presentation** at UKSF, 2009, Glasgow, Scotland.
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 Presentation** at ISC, 2010, San Antonio, Tx.

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 Presentation** at ISA 2010, Delhi, India.
9. The VISTA-Rehab Steering Committee members, Rehabilitation trials within the Virtual International stroke Trials Archive: VISTA-Rehab, **Poster Presentation** at ESC 2010, Barcelona, Spain.
10. Ali M, Hazelton C, Brady M, Lyden P, Pollock A, On Behalf of the VISTA Collaboration. Recovery from Post-Stroke Visual Impairment: Evidence from a Clinical Trials Resource. **Platform Presentation** at UKSF, 2011.
11. Ali M, Hazelton C, Brady M, Lyden P, Pollock A, On Behalf of the VISTA Collaboration. Recovery from Post-Stroke Visual Impairment: Evidence from a Clinical Trials Resource. **Poster Presentation** at International Stroke Conference 2012, New Orleans, USA.
12. Ali M, Bath P, Lyden P, Brady M on behalf of the VISTA Collaboration, Inclusion and Attrition of Patients with Aphasia in Acute Stroke Clinical Trials, **Poster Presented** at European Stroke Conference 2012, Lisbon, Portugal.
13. Ali M, Hazelton C, Lyden P, Pollock, Brady M on behalf of the VISTA Collaboration. Recovery from Post-Stroke Visual Impairment: Evidence from the Virtual International Stroke Trials Archive (VISTA), **Platform Presentation** at European Stroke Conference 2012, Lisbon, Portugal.
14. Ali M, Lyden P, Brady M, on behalf of the VISTA Collaboration. Evolution of Post-Stroke Aphasia and Dysarthria in Acute Stroke: Analysis of Data from the Virtual International Stroke Trials Archive (VISTA), **Platform Presentation** at European Stroke Conference 2012, Lisbon, Portugal.
15. Ali M, Bernhardt J, English C, Brady M, On Behalf of the VISTA-Rehab Steering Committee. Rehabilitation trials within the Virtual International Stroke Trials Archive (VISTA-Rehab). **Poster Presented** at World Congress for NeuroRehabilitation 2012, Australia.

Summary

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

HC Diener provided an overview of VISTA-Prevention at the European Stroke Conference 2011.

1. The contribution of trial data has been problematic.
 - a. Data contribution was secured from Sanofi Aventis for CAPRIE, CHARISMA, & MATCH.
 - b. Contribution is contingent on additional meta-analysis by Ale Algra.
 - i. The estimated timeline for this was one year and data should be transferred to VISTA-Prevention by May 2012.
 - c. As of May 2012, the aspirin and dipyridamole and the clopidogrel databases are with Ale Algra.
2. Graeme Hankey has consented to the contribution of VITATOPS data to VISTA-Prevention and should now be approached (May 2011).
3. Werner Hacke reported that the NASCET publications were in press as of May 2011, so data from this could be made available, if not the whole dataset then just the European data. P. Bath suggested that P. Rothwell may be able to facilitate this.

Action Points from May 2011

ACTION: HC Diener will contact G. Hankey to initiate this contribution. He will also find out who was the Chairperson for the antihypertensive and statin collaborations and make contact with them regarding other research questions.

ACTION: M. Fisher will make contact with the PERFORM group for data contribution to VISTA-Prevention.

ACTION: HC Diener to contact P. Ringleb to invite contribution of NASCET to VISTA-Prevention.

1. SAMMPRIS trial is to be published soon and may be of interest for VISTA-Prevention.

ACTION: This trial will be added to the recruitment list.

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** **2012;7: 133-138**.

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

	Trial	Status	Contact
1.	ESPS II	2009 Contribution promised	HC. Diener
2.	ProFess	2009 BI have said that data transfer will take a year	HC. Diener
3.	ESPRIT	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.	SPIRIT	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.	MATCH	2009-Although Sanofi are in favour, BMS have so far declined access to data.	S. Yusuf
6.	CHARISMA	2009-Although Sanofi are in favour, BMS have so far declined access to data.	S. Yusuf
7.	CAPRIE	2009-Although Sanofi are in favour, BMS have so far declined access to data.	S. Yusuf
8.	RE-LY (Dabigatran)	2009-Contains stroke patient subgroups, BI have agreed in principle and Salim Yusuf has still to agree, as PI	S. Yusuf
9.	ROCKET-AF (Rivaroxaban)	Contains stroke patient subgroups, BI have agreed in principle and Salim Yusuf has still to agree, as PI.	S. Yusuf
10.	ARISTOTLE (Apixaban)	2009-Contains stroke patient subgroups, BI have agreed in principle and Salim Yusuf has still to agree, as PI.	S. Yusuf
11.	VITATOPS	2009-G. Hankey has agreed in principle to contribute data once the trial is complete and published	G. Hankey
12.	WARSS	2009-Trials were conducted by publicly sponsored trial groups, and should be available	TBC
13.	NASCET	2009-Trials were conducted by publicly sponsored trial groups, and should be available	TBC
14.	PERFORM	Ongoing follow up for 2-4 years	
15.	SAMMPRIS	Contact to be made	



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Summary

Status	Details
Patient data available	3,157
Commitments to Contribute Trial Data	3
Completed Projects	0
Active Projects	3
Publications	1
Abstracts	5

Steering Committee

Name	Details
D. F. Hanley	Division of Brain Injury Outcomes, The Johns Hopkins Medical Institutions, Baltimore, MD, USA
K. R. Lees	Division of Cardiovascular and Medical Sciences, Faculty of Medicine, University of Glasgow, UK
P. Lyden	Department of Neurology, Cedars-Sinai Medical Center, Los Angeles, CA, USA
K. Muir	Division of Clinical Neurosciences, University of Glasgow, Southern General Hospital, Glasgow
S. Davis	Department of Neurology, Royal Melbourne Hospital, Australia.
B. Gregson	Newcastle General Hospital, Westgate Road, Newcastle upon Tyne, UK
T. Steiner	University of Heidelberg, Germany
S. Mayer	Columbia University College of Physicians and Surgeons, 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 2012;7: 133-138.**

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, 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.**

- 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.**
- 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.**
- Rincon F, Lyden P, Mayer S, on behalf of the VISTA Collaboration, Early and Late Predictors of Hyperthermia after Spontaneous ICH: on behalf of VISTA Collaborators. **Presentation at ISC, New Orleans, USA 2012.**

Ongoing Project Titles

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

Proposed Projects

- Lord et al, Characterization and predictors of neurological deterioration after spontaneous intracerebral hemorrhage.
- Steiner et al. Biomarkers in ICH
- Sykora et al, CCT Volume analysis.
- Al-Shahi Samlan et al, Individual patient data meta-analysis of the occurrence and predictors of intracerebral haemorrhage growth.

VISTA-ICH: Additional Trial Contribution Status

	Trial	Status	Contact
1.	STICH 2	04/05/11 D. Hanley discussed contribution with D. Mendelow and B. Gregson. Negotiations ongoing	D. Hanley
2.	CLEAR	Trial to be contributed when publication cycle is completed	D. Hanley
3.	INTERACT	D. Hanley Negotiating contribution	D. Hanley

Summary

Status	Details
Patient data available	9890
Commitments to Contribute Registry Data	0
Completed Projects	0
Active Projects	0
Publications	1
Abstracts	4

Steering Committee

Name	Details
N. G. Wahlgren	Department of Neurology, Karolinska University Hospital, Sweden
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
C. Weimar	Department of Neurology, University Hospital Essen, University of Duisburg-Essen, Essen, Germany

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 2012;7: 133-138.**

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.**

Summary

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

Steering Committee

Name	Details
S. Warach (Chair)	Stroke Diagnostics and Therapeutics Section, Stroke Branch, NINDS, NIH, MD, USA
G. Albers	Department of Neurology, Stanford School of Medicine, CA, USA
S. Davis	Department of Neurology, Royal Melbourne Hospital, Australia
G. Donnan	Department of Medicine, University of Melbourne, Australia
M. Fisher	Department of Neurology, University of Massachusetts Medical School, MA, USA
T. Furlan	Department of Neurology, University Hospitals of Cleveland, OH, USA
J. Grotta	Department of Neurology, University of Texas Medical School at Houston, TX, USA
W. Hacke	Department of Neurology, University of Heidelberg, Germany
C. Kidwell	Department of Neurology, Georgetown University, DC, USA
W. Koroshetz	Deputy Director, NINDS, NIH, MD, USA
K. R. Lees	Division of Cardiovascular and Medical Sciences, Faculty of Medicine, University of Glasgow, UK
M. Lev	Department of Radiology, Massachusetts General Hospital, MA, USA
A. G. Sorensen	Department of Radiology, Massachusetts General Hospital, MA, USA
J. Wardlaw	Division of Clinical Neurosciences, Western General Hospital, University of Edinburgh, UK
M. Wintermark	Department of Radiology & Medical Imaging Neuroradiology, School of Medicine, University of Virginia, USA
V. Thijs	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** **2012;7: 133-138**.
2. Thomalla G, Cheng B, Ebinger M, Hao Q, Tournias T, Wu O, Kim JS, Breuer L, Singer OC, Warach S, Christensen S, Treszl A, Forkert ND, Galinovic I, Rosenkranz M, Engelhorn T, Köhrmann M, Endres M, Kang DW, Dousset V, Sorensen AG, Liebeskind DS, Fiebach JB, Fiehler J, Gerloff C, for the STIR and VISTA Imaging Investigators, DWI-FLAIR mismatch for the identification of patients with acute ischaemic stroke within 4-5 h of symptom onset (PRE-FLAIR): a multicentre observational study. *Lancet Neurology* 2011; 10: 978–86.

Abstracts/ Posters/ Presentations

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**

Finances: Contributions to Capacity Building

For proposals which involve more than one project we will be implementing a capacity building charge within VISTA. This will be in the order of £5,000 for a one-year period. This will cover the cost of up to 4 individual but related VISTA projects.

We welcome comments on this proposal.

VISTA Logo Options

Option 1



Sample Letterhead



Option 2





Sample Letterhead

	Kennedy R. Lees (VISTA Chair) Institute of Cardiovascular and Medical Sciences Gardiner Institute 44 Church St. Glasgow G11 6NT Tel: +44 141 211 2780 Fax: +44 141 211 1863 Vista.acute@glasgow.ac.uk www.vistacollaboration.org
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Website Development

The VISTA Website is undergoing reconstruction. The ongoing work on the site can be viewed at <http://79.170.44.137/vista-gla.co.uk/>. We welcome comments to improve the website.





The Virtual International Stroke Trials Archive

[Home](#) | [VISTA-Acute](#) | [VISTA-Prevention](#) | [VISTA-Rehab](#) | [VISTA-ICH](#) | [VISTA-Imaging](#) | [VISTA-Plus](#)


The Virtual International Stroke Trials Archive (VISTA) is a collaborative venture which collates data from completed clinical trials and provides access to anonymised data for novel exploratory analyses to inform clinical trial design.

Using this resource, specific questions can be answered concerning the natural history of subgroups, the optimal selection of patients for future trials, choice of outcome measures, the influence of country, concomitant disease and other factors on recovery.







Kennedy R. Lees
VISTA Chair




Steven Warach
VISTA-Imaging Chair




Hans Christophe Diener
VISTA-Prevention Chair



Marian Brady
VISTA-Rehab Chair



Nils-Gunnar Wahlgren
VISTA-Plus Chair



Daniel F Hanley
VISTA-ICH Chair

Notes

This image shows a full page of blank handwriting practice paper. It features approximately 30 evenly spaced horizontal red lines across the entire page, providing a guide for letter height and placement. The background is plain white, and there are no margins, text, or other markings present.