

CURRICULUM VITAE

NAME: David Charles Hess, M.D.

TITLE Dean, Medical College of Georgia
Executive Vice President of Medical Affairs and Integration
Presidential Distinguished Chair
Professor of Neurology
Medical College of Georgia
Augusta University

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CITIZENSHIP: United States

SPOUSE Diane Degrandis Hess

CHILDREN Lisa Alexandra (3-13-89)
Daniel Louis (4-16-90)
Matthew Charles (12-28-91)
Sara Elizabeth (10-3-96)

EDUCATION:

1975 - 1979 The Johns Hopkins University
University Baltimore, Maryland
B.A. Humanities

1979 - 1983 University of Maryland
M.D. School of Medicine
Baltimore, Maryland

TRAINING:

1983 - 1984
Internship
Allegheny General Hospital
Pittsburgh, PA
Internal Medicine

1984 - 1986
Residency
Allegheny General Hospital
Pittsburgh, PA.
Internal Medicine

1986 - 1989
Residency
Medical College of Georgia
Augusta, Georgia
Neurology Residency

1988 - 1989
Medical College of Georgia
Department of Neurology
Augusta, Georgia
Chief Resident

LICENSURE:
Pennsylvania (Inactive)
Georgia
South Carolina

BOARD CERTIFICATION:
Diplomate, American Board of Internal Medicine, September 1986
Diplomate, American Board of Psychiatry and Neurology, October 1990
American Board of Psychiatry and Neurology, Vascular Neurology, 2008

PROFESSIONAL/ACADEMIC APPOINTMENTS:

4/2017 – present
Dean
Medical College of Georgia

4/2017 – present
Executive Vice President of Medical Affairs and Integration
Augusta University

1/2017 – 4/2017
Interim Dean
Medical College of Georgia

1/2017 – 4/2017
Interim Executive Vice President of Medical Affairs and Integration
Augusta University

2008
Presidential Distinguished Chair

2008 - 2013
Co-Director, Brain and Behavior Discovery Institute

2/2005 - present	Clinical Co-Director, Institute of Neuroscience, Medical College of Georgia
4/2001 - 4/2017	Chairman Department of Neurology
2/2000 - 4/2001	Interim Chairman Department of Neurology Medical College of Georgia
2000 - present	Professor Department of Neurology Medical College of Georgia
2004 - present	University of Georgia School of Pharmacy Adjunct Professor
2000 - present	Joint Appointment, Institute of Molecular Medicine and Genetics, Medical College of Georgia
2000 - present	Joint Appointment, School of Graduate Studies, Medical College of Georgia
1997 - 2000	Executive, Neurosciences Service VA Medical Center Augusta, Georgia
1995 - 2000	Associate Professor Department of Neurology Joint Appointment in Medicine Medical College of Georgia
1990 - 2004	Chief, Neurology Service V.A. Medical Center Augusta, Georgia
1990 - 1995	Assistant Professor Department of Neurology and Medicine Medical College of Georgia
1989 - 1990	Cerebrovascular Fellow, Instructor Department of Neurology Medical College of Georgia
1992 - present	Consultant University Hospital Augusta, Georgia

1996 Tenure
Medical College of Georgia

AWARDS/HONORS:

1976 Humanities Honors Program
The Johns Hopkins University

1979 Humanities Honors Program
Best Thesis Award
The Johns Hopkins University

1992 Fellow
American College of Physicians

1994 Alpha Omega Alpha (AOA)

1996 Clinical Neuroscience Teaching Award
Medical College of Georgia

1991 - 1998 V.A. Superior Performance Award

1996 Outstanding Service Award, American Heart
Association, Richmond County Division

1999 Elected Member, American Neurological Association

2000 Distinguished Faculty Award for Clinical Science Teaching
Medical College of Georgia

2001 - 2017 America's Top Doctors (Castle and Connolly-top 1%)

2001 2001 Humanism in Medicine Award
The Healthcare Foundation of New Jersey

2001 - 2017 Best Doctors of America

2003 Educator of the Year Award, Medical College of Georgia Class of 2004

2004 Henry Middleton VA VISN 7 Excellence in Research Award

2001 - Gold Humanism Honor Society

2005 Mayo Clinic "Resident Choice" Visiting Professor

2010, 2011, 2012, 2014, 2017 Exemplary Teaching Award for Medical Student Education

2012 Medical College of Georgia Outstanding Faculty Member Award

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| 2012 | Georgia Health Sciences University Outstanding Faculty Member Award |
| 2012 | Distinguished Research Award, Georgia Health Sciences University Research Institute |

ADMINISTRATIVE RESPONSIBILITIES/APPOINTMENTS:

Major Committees

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|------------------|---|
| 1992 - 1996 | Steering Committee: Thrombolytic Therapy in Acute Stroke(A0276), Genentech |
| Nov. 15-17, 1992 | Neurology Board Examiner for American Board of Psychiatry and Neurology |
| 1993 - 1997 | American Heart Association-Stroke Council, Georgia Affiliate Liaison |
| 1993 - 1995 | American Heart Association, Georgia Affiliate, Health Site Committee |
| 1994 - 1997 | American Heart Association, Georgia Affiliate, Stroke Task Force, Chairman |
| 1993 - 1997 | Director Neuro 500 Third & Fourth Year Medical Student Clerkship Medical College of Georgia |
| 1994 - 1997 | American Heart Association, Georgia Affiliate, Research Committee |
| 1997 | American Heart Association, Southeastern Affiliate Research Peer Review Committee |
| 1995 - 1997 | American Heart Association, Georgia Affiliate Board of Directors |
| 1995 - present | American Heart Association, Richmond-Columbia County Division, Board of Directors |
| 1996 - 1997 | Vice President
American Heart Association
Georgia Affiliate |
| 1995 - 2006 | Augusta Biomedical Research Corporation Board of Directors |
| 1997 - 1999 | American Heart Association, Southeast Affiliate, Stroke Task Force |
| 1999 - 2001 | Georgia Medical Care Foundation: Stroke Performance Measure Study |

	Group
	Counselor, Association of VA Neurologists
2000 - 2004	University Hospital Consortium Clinical Process Improvement-Ischemic Stroke Steering Committee
2005 - 2007	Ethics, Law, and Humanities Committee American Academy of Neurology
2007	Governor's (Georgia) Cord Blood Commission
2007-	American Heart Association Telestroke Committee
2007 - 2009	Chairman, American Heart Association Georgia Stroke Committee
2010 -2019	Vascular Neurology Board Examination Committee American Board of Psychiatry and Neurology
2011 - 2017	American Stroke Association Scientific Sessions Committee

COMMITTEE ASSIGNMENTS:

Major Institutional Committees

1990 - 1994	Biomedical Research Support Grant Committee Medical College of Georgia
1990 - 1997	Clinical Advisory Group VA Medical Center
1990 - 1997	Clinical Executive Board VA Medical Center
1997 - 1999	Executive Board V.A. Medical Center
1991 - present	Human Assurance Committee, Institutional Review Board MCG and VA Medical Center
1991 - present	Residency Credentials Review Committee VA Medical Center
1991 - 1994	Research Committee
1996 - present	VA Medical Center

1993, 1997-1999	Chairman, Research Committee VA Medical Center
1992 - 1994	Deans Committee VA Medical Center
1992 - present	Research Proposal Review Subcommittee VA Medical Center
1992 - 1994	Clinical Planning Committee VA Medical Center
1993	Chairman, Chief of Medicine Search Committee VA Medical Center
1993	Internal Residency Review Committee Medical College of Georgia
1993 - 1997	Phase III Curriculum Committee Medical College of Georgia
1994 - 2000	Secretary, Professional Standards Board Medical Staff Executive Committee VA Medical Center
1995 - 1998	Chairman, Clinical Pathway Committee VA Medical Center
1998 - 2000	Co-Chairman, Managed Care Committee V.A. Medical Center
1997 - 2006	University of Georgia M.D./Ph.D Advisory Committee
1996 - 2000	Residency and Education Committee Dept.of Neurology, Medical College of Georgia
1997 - 2000	Executive Committee VA Medical Center
1997 - 2000	Chairman, Telemedicine Developmental Program Project Steering Committee VA Medical Center
1998 - 2002	Executive Committee Dept of Neurology Medical College of Georgia

1998 - 2000	Chairman, Executive Committee, VA Medical Center
1999 - present	Academic Council, Medical College of Georgia
1999 - 2000	Chairman, Faculty Subcommittee of LCME
2000 - present	MCG Physician's Practice Group Board of Trustees
2002	Chair, Chairman of Medicine Search Committee
2004 - 2005	Chair, Dean School of Medicine Search Committee
2005 -	MCGRI/GRRI Board of Directors and Executive Committee
2006 - 2009	Dean's Advisory Committee
2007, 2011	Chair, Search Committee, VP for Technology Transfer and Economic Development
2011 - 2012	Chair, Search Committee, GRU Chief Financial Officer
2015	Search Committee, Dean, UGA/GRU Partnership Medical Campus
2015 - 2016	Co-chair, Search Committee, COO/CFO, Associate Dean

National Research Committees

July 7-8, 1993	National Institutes of Health Program Project Review Special Committee Bethesda, MD
June 29-30, 1994	National Institutes of Health Program Project Review Special Committee Bethesda, MD
1996 - 1997	American Heart Association (National) Brain Review Committee
1998 - 1999	Chairman, Planning Committee, VA Cooperative Study #469
1999	VA QUERI Acute Stroke Expert Panel
1999, 2000	American Heart Association-Bugher Foundation Stroke Award Review Committee
	Endpoints Committee, The Iron (Fe) and Atherosclerosis Study (FeAST) VA Cooperative Study #410

Paul Coverdell Acute Stroke Registry Expert Panel
Centers for Disease Control, Atlanta, GA

2002 Co-Chair, Basic Cerebrovascular Disease Platform Sessions, American Academy of Neurology
NIH/NIAMS Special Emphasis Panel (ZAR1-TAS-D (C1)) RFA-01-007

2002 - 2003 NIH BDCN 3 Study Section

2003 VA Merit Review Neurobiology C Panel

2004 NIH NICHD CHHD-K Study Section Ad hoc

2007 - 2009 NINDS SPOTRIAS Review Study Section

2010 - NIH/NINDS NSD-K Study Section Ad hoc review

2009 - 2013 NIH/NINDS SAMMPRIS Clinical Trial Data and Safety Monitoring Committee

2010 - 2014 Pfizer, Chairman, Data and Safety Monitoring Committee

2011 - 2015 NINDS NSD-K Study Section

2011 - 2014 Chair, NINDS, Clinical Trial Special Emphasis Panels

2014 NIH-NINDS Special Emphasis Panel ZNS1-SRB(J08): PD Planning Grant Review

2013 -2017 Bayer, Adjudication Committee

Patents and Technology Transfer

Co-inventor, REACH telestroke system, licensed by GRU to REACH Call, Inc in 2006

Patent: Multistem in neurological diseases, licensed by GRU to Athersys, Inc

Companies Founded

Co-Founder and Founding CEO, REACH CALL, Inc., 2006
Chairman, Board of Directors, REACH CALL ,Inc 2006-9
Acting Chief Medical Officer, REACH CALL, 2006-9
Chairman, Board of Directors, REACH Health Inc 2009-present

REACH Health, Inc 2006 Winner of TAG-GRA Business Launch Competition

Note: REACH Call Inc, is a company spun out of GRU (name change to Reach Health, Inc)
Website: www.reachhealth.com

Food and Drug Administration IND/IDE

Sponsor, FDA IND (77,797)

Sponsor FDA IDE (G106239) Doctormate Remote Conditioning device

Advisory Boards

2010	Clinical Advisory Board, Athersys, Inc
2014	Scientific Advisor, Mesoblast
2014	Scientific Advisory Board, NeuroF _x (neurological regenerative biotechnology company)

Reviewer/Editor

1998 - 2004	Practical Reviews in Neurology, American Academy of Neurology
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Editorial Board

2010 -	Stroke (American Heart Association)
2009 -	Cell Transplantation
2011 - 2016	Experimental and Translational Stroke Research
2015 -	Brain Circulation
2015 -	Translational Stroke Research, Associate Editor
2015 -	Stroke & Vascular Neurology
2017-	Conditioning Medicine, Associate Editor

AD HOC Reviewer

Neurology
Stroke
Annals of Neurology
Southern Medical Journal
Journal of Rheumatology
Journal of Family Practice
Lupus
Scandinavian Journal of Rheumatology
Journal of Cerebrovascular Diseases
American Journal of Physiology: Cell Physiology
Lancet
Brain Research
Life Sciences
European Journal of Clinical Investigation
Journal of Cerebral Blood Flow and Metabolism
Circulation

Experimental Neurology
Lancet Neurology
Stem Cells
Neurosurgery
Stem Cells Translational Medicine

AD HOC Reviewer (Grants)

Louisiana State Board of Regents Grant System
Arthritis Rheumatism Council, Great Britain
VA Merit Review
VA-Department of Defense
South Carolina Health Sciences

GRANTS: (Investigator-initiated, peer reviewed)

Current Funding:

Active

Hess 8/1/19 to 7/30/22 2.4 month calendar effort
NIH 1U01NS113356-01 Role: PI \$725,000 total costs
Major Objective: To develop new interventions and drugs for acute ischemic stroke

Hess 8/1/17 to 7/30/21 1.8 calendar effort
NIH/NINDS/NIA R01 NS099455 A1 Role: PI \$1,520,000 total costs
Mechanisms of Remote Ischemic Conditioning in a VCID Model
Major Objective: To understand the mechanisms of RIC and if RIC is an exercise mimetic in a model of VCI, the bilateral carotid artery stenosis model in the mouse.. To specifically determine if the effects of RIC are eNOS dependent and to determine if these effects are via endothelial eNSO or circulating blood cell eNOS

Hess 9/30/2015 to 7/15/2020 Role: Consultant (F West, UGA PI)
NIH/NINDS 1R01NS093314-01A1
Combined Nanoparticle and Neural Stem Cell Therapies in a Pig Model of Stroke
Major objective: To develop an iPS-Neural stem cell derived treatment for ischemic stroke using nanoparticles to enhance potency and efficacy

Completed Research Support

Co-investigator: Validation of a Stroke Therapy Comprised of Synergistic Stem Cell-Derived Factors SBIR-
NIH 1R43NS092167-01A1; July 1, 2016 to July 31, 2017; \$79,079 direct costs 1.2 calendar effort

Principal Investigator: Remote Ischemic Conditioning for Neuroprotection in Vascular Cognitive Impairment NIH/NINDS R21NS081143-01; July 1, 2015 to December 31, 2017
\$500,000 direct costs 1.8 calendar effort

Remote Ischemic Perconditioning in acute ischemic stroke

Principal Investigator: David C Hess MD
Agency: NIH/NINDS R21 NS081143 April 1, 2013 to March 30 2015
275,000 direct costs 10% effort

Principal Investigator: Minocycline to Improve Neurologic Outcomes (MINO) Clinical trial NIH/NINDS RO1 NS 055728 ; Direct costs:1,500,000. April 1 2007-2013 (no cost extension)

Principal Clinical Investigator, MASTERS clinical trial; Athersys Inc 2011 to 2015
Co-Investigator: Mini-plasmin: Pre-Clinical Evaluation of a Novel Thrombolytic Agent. PI: Irina Sazonova, PhD NIH-NINDS 1 R21 NS072318-01; April 2011 to March 2013

Co-investigator Transplantation of multipotent adult progenitor cells in stroke NIH-NINDS UO1 NS 055914; Principal Investigator: Cesar Borlongan PhD _May 2008-March 2010

Co- Investigator Neuroprotection in the Human Brain Tissue Model of Stroke
Principal Investigator: Sergei Kirov; NIH-NINDS Type R21R21NS062154-01A1 June 1, 2009-April 1, 2011

Principal Investigator: Breaking the blood-brain barrier after stroke. NIH R21 NS 43487-01; \$200,000 direct costs 2002-2005 (with Supplement)

Co-Investigator: Vascular Protection in Acute Ischemic Stroke 1 RO1 NS044216-01A1 (Fagan, P.I.)NIH/NINDS : \$525,000 (direct costs - approx \$150,000 to MCG (Hess) as a subcontract) 5/1/2003 - 4/30/06

Principal Investigator. Blocking inflammation in acute ischemic stroke by targeting NF-kB. VA Medical Research Service Merit Review. \$420,000. 2001-2005

Principal Investigator: Blood into Brain: Regeneration of ischemic brain by bone marrow-derived progenitor cells. American Heart Association. Southeast Affiliate. \$120,000. 2000-2002

Principal Investigator: Cerebral Endothelial Cell Activation in Acute Ischemic Stroke: Role of NF-kB V.A. Medical Research Service Merit Review, \$274,000, 1997-2000

Principal Investigator: Inhibition of Cerebral Endothelial Cell Activation Using NF-kB Transcription Factor Decoys; American Heart Association, Georgia Affiliate. \$60,000, 1997-1999

Principal Investigator: Regulation of ICAM-1 in Brain Endothelium; American Heart Association, National, Grant in Aid, \$120,000; 1995-1998

Principal Investigator: Adhesion Molecules and Brain Endothelium.VA Medical Research Service. Merit Review \$165,000. 1994 - 1997

Principal Investigator: Cerebral Microvascular Endothelial Cell Activation During Hypoxia-reoxygenation. Medical College of Georgia Research Institute. \$10,000. 1993 - 1994

Principal Investigator: A Model for Antiphospholipid Stroke. Research Advisory Group. Veterans Administration Medical Research Service. \$68,000. 1992 - 1994

Principal Investigator: The Cerebral Endothelial Cell and Autoimmune Cerebrovascular Disease. American Heart Association (Georgia Affiliate). \$42,500. 1991 - 1993

Principal Investigator: Prevalence of Antiphospholipid Antibodies in a Stroke Population. Medical College of Georgia Research Institute. \$10,000. 1989 - 1990

Principal Investigator: The MRL/lpr Mouse: An Animal Model for Antiphospholipid Mediated Stroke. Biomedical Research Support Grant (Medical College of Georgia). \$3,600. 1991 – 1992

Co-Investigator: Gene Therapy for Stroke with Transcription Factor Decoys. American Heart Association. Southeast Affiliate. 10% effort 1999-2001

Teaching Grants

Faculty Advisor: Student Scholarship in Cerebrovascular Disease, American Heart Association. \$1,500. 1992

Preceptor: VA Neuroscience Fellowship; award to Khalid Malik; 1999-2001;

Principal Investigator; Health Sciences Fellowship; American Heart Association, Southeast Affiliate; \$7200. 1999-2001

Principal Investigator; Health Sciences Fellowship; American Heart Association, Southeast Affiliate; 21,600. 2001-2002

SCIENTIFIC and PROFESSIONAL SOCIETIES:

American College of Physicians, Fellow
American Academy of Neurology
Medical Association of Georgia
American Heart Association, Stroke Council
American Heart Association, Thrombosis Council
American Association for the Advancement of Science
American Neurological Association
Society for Neuroscience

PRESENTATIONS:

Invited Lectures- Over 300 (Partial list in last 3 years only included)

Invited Speaker, "Management of the Cryptogenic Stroke Patient" Georgia Chapter American College of Cardiology. November 16-18, 2018

Invited Speaker, "Remote ischemic conditioning" Symposium on Conditioning Medicine. November 4-8, 2018 Beijing, China

Invited Speaker and participant AHA and ASA sponsored International Stroke Conference. January 22-24, 2018 Los Angeles, CA

Invited Speaker, "Remote ischemic conditioning" STAIR X Conference. October 20-22, 2017, Washington DC

Invited Speaker "Ischemic Conditioning" American Neurological Association, October 14-16, 2017 San Diego, CA

Invited speaker "Telestroke in Rural Georgia" at the 30th Biennial Institute for Georgia Legislators- hosted by the Carl Vinson Institute at the University of Georgia on December 5, 2016

Invited Speaker The TEMPO EMS -a planned prehospital trial of RIC in acute stroke". "Remote ischemic conditioning: An exercise mimetic?" Chronic RIC as a treatment for Vascular Cognitive Impairment and Dementia (VCID)" 4th International Symposium on Tolerance and Conditioning: 30 Years of Science and Hope in Suzhou, China, November 13-14, 2016

Invited speaker and participant in the NIH-sponsored "Collaterals Conference 2016" at UCLA. Los Angeles, CA on November 8-10, 2016

Invited Speaker. "The World is Flat" A brief future of telestroke" St Dominic's Health System Stroke Symposium, New Orleans, LA January 16, 2015

Invited Speaker "Remote ischemic conditioning in stroke and intracranial atherosclerosis." 7th International Congress of Intracranial Atherosclerosis (ICAS 2014) September 19-21, Chengdu, China

Moderator, Session Organizer and Presenter: "Remote ischemic conditioning" in Session on "Peripheral to Central signaling" Brain Edema 2014 and 2nd Preconditioning Conference, September 27-30, Huntington Beach, CA

Invited Speaker "Remote Ischemic conditioning: is it time for clinical trials?-debate" UCLA-NIH Conference on Collateral Circulation Nov 4-6 UCLA, LA, CA

Invited Speaker "Multistem (MASTERS) clinical trial"- Presentation to Japanese Society of Cerebral Blood flow and Metabolism- Neurologists and Neurosurgeons. Okayama, Japan November 22, 2014

Invited Speaker. Stem Cell Therapy in Stroke and Master's clinical trial -Presentation to University of Tokyo, Japan, January 21, 2014

PUBLICATIONS in Non-Refereed Journals:

Hess DC, Adams RJ, Nichols FT. Antiphospholipid Antibodies in Stroke. Journal of the Medical Association of Georgia, December, 1989;815-820.

Hess DC. Multiple Sclerosis. New Help, New Hope Consultations in Primary Care. Consultant. 2000; 40:1085-1094

Hess DC. Identifying the Spectrum of Neurologic complications in Sjogren's Syndrome. Advances in Immunotherapy. 2001;8:12-16

Malik K, **Hess DC.** Evaluating the comatose patient: Step by step neurologic assessment. Postgraduate Medicine 2002; February. 38-55

ABSTRACTS (not listed)

PUBLICATIONS in Peer Reviewed Journals:

1. **Hess DC,** Sethi KD. Epilepsia Partialis Continua in Multiple Sclerosis. Journal of International Neurosciences, 1990;50(1-2):109-111.
2. **Hess DC,** Fischer AQ, Yaghmai F, Figueroa R, Akamatsu Y. Comparative Neuroimaging with Pathological Correlates in Alexander's Disease. Journal Child Neurology, 1990;5(3):248-252.
3. **Hess DC,** Sethi KD, Nichols FT. Carotid Dissection: A False Localizing Sign. J. Neurology, Neurosurgery, Psychiatry, 1990;804-805.
4. Arn PH, Hauser E, Thomas GH, Herman G, **Hess DC,** Brusilow SW. Hyperammonemic Coma, often Postpartum, in Women Who Have a Mutation of the Ornithine Transcarbamoylase Locus. New England Journal of Medicine, 1990;322:1652-1655.
5. Sethi KD, **Hess DC.** Prevalence of Dystonia in a Veteran Population. Movement Disorders, 1990;5:319-321.
6. Antiphospholipid Antibodies in Stroke Study Group. **Hess, DC,** contributing author. Clinical and Laboratory Findings in Patients with Antiphospholipid Antibodies and Cerebral Ischemia. Stroke, 1990;21:1268-1273.
7. Sethi KD, **Hess DC,** Holmes G. Gaze-Evoked Involuntary Movement. Movement Disorders 1990;5 (2):139-142.
8. **Hess DC,** Awad E, Posas H, Sethi KD, Adams RJ. Miller Fisher Syndrome in Systemic Lupus Erythematosus. J of Rheumatology, 1990;17:1520-22.
9. **Hess DC,** Nichols FT, Sethi KD, Adams RJ. Transient Cerebral Ischemia Masquerading as Paroxysmal Dyskinesia. Cerebrovascular Diseases, 1991;1:54-57.
10. **Hess DC,** Krauss JS, Rardin D. Stroke in a Young Adult with Fletcher Trait. Southern Medical Journal, 1991;84:507-508.
11. **Hess DC,** Krauss J, Adams RJ, Nichols FT, Zhang D, Roundtree H. Anticardiolipin Antibodies: A Study of Frequency in TIA and Stroke. Neurology, 1991;41:525-528.
12. Sethi KD, **Hess DC.** Creutzfeldt-Jakob's Disease Presenting with Ataxia and a Movement Disorder. Movement Disorders, 1991;6:157-162.

13. **Hess DC**, Adams RJ, Nichols FT. Neurological Complications of Clotting Disorders: Sickle Cell Anemia and Other Hemoglobinopathies. *Seminars in Neurology*, 1991;111:314-328.
14. Chen X, Orfanos S, Ryan JW, Chung AYK, **Hess DC**, Catravas J. Species Variation in Pulmonary Endothelial Aminopeptidase P Activity. *J Pharm and Exp Ther.*, 1991;259:1301-1307.
15. **Hess DC**. Stroke Associated with Antiphospholipid Antibodies. *Stroke*, 1992;[suppl I]:I-23-I-28.
16. Sethi, KD, **Hess DC**, Huffnagle VH, Adams RJ. Acetazolamide Treatment in Paroxysmal Dystonia in CNS Demyelinating Disease. *Neurology*. 1992;42:919-921.
17. Adams RJ, McKie V, Nichols F, Carl E, Zhang D, McKie K, Figueroa R, Litaker M, Thompson W, **Hess DC**. The Use of Transcranial Ultrasonography to Predict Stroke in Sickle Cell Disease. *N Engl J Med* 1992;326:605-10.
18. **Hess DC**, Sethi KD, Awad E. Thrombotic Thrombocytopenia Purpura and Antiphospholipid Antibodies: Treatment with Plasma Exchange and Cyclophosphamide. *J. Rheumatol.*, 1992;19:1474-1478.
19. **Hess DC**, D'Cruz I, Adams RJ, Nichols FT. Coronary Artery Disease, Myocardial Infarction, and Brain Embolism, *Neurologic Clinics*, 1993;11:399-417.
20. **Hess DC**, Taormina M, Thompson J, Sethi KD, Diamond B, Chamberlain CR, Rao R. Cognitive and Neurologic Deficits in the MRL/lpr Mouse: A Clinicopathologic Study. *J of Rheumatology*, 1993;20:610-617.
21. **Hess DC**, Sheppard JC, Adams RJ. Increased Immunoglobulin Binding to Cerebral Endothelium in Patients with Antiphospholipid Antibodies. *Stroke*, 1993,24:994-999.
22. Antiphospholipid Antibodies in Stroke Study (APASS). **Hess DC**, contributing author. Anticardiolipin Antibodies are an Independent Risk Factor for First Ischemic Stroke. *Neurology*, 1993;43:2069-2073.
23. **Hess DC**, Sheppard JC, Bhutwala T, Zhao W, Smith J. ICAM-1 Expression on Human Cerebral Microvascular Endothelial Cells. *Neuroscience Letters*, 1994;168:201-204.
24. Scott T, **Hess DC**, Brillman J. Antiphospholipid Antibody Syndrome Mimicking Multiple Sclerosis Clinically and by Magnetic Resonance Imaging. *Arch Internal Medicine*, 1994;154:917-920.
25. **Hess DC**, Zhao W, MacEachin M, Carroll JC. Increased Expression of ICAM-1 During Reoxygenation in Brain Endothelial Cells. *Stroke*, 1994;25:1463-1468.
26. **Hess DC**. Models for the Neurological Complications of Antiphospholipid Syndrome. *Lupus*, 1994;3:253-257.
27. STIPAS Investigators (**Hess D**, STIPAS Participant). Safety Study of Tirilizad Mesylate in Patients with Acute Ischemic Stroke, *Stroke* 1994;25:418-423
28. **Hess DC**, Thompson Y, Sprinkle A, Carroll J, Smith J. E-selectin Expression on Human Brain Microvascular Endothelial Cells. *Neuroscience Letters*, 1996;213:37-40.

29. **Hess, DC.** Cerebral Lupus Vasculopathy: Mechanisms and Clinical Relevance, Annals of the New York Academy of Sciences, 1997;823:154-168.
30. Antiphospholipid Antibodies and Stroke Study Group (APASS) **Hess DC**, contributing author. Antiphospholipid antibodies and the risk of recurrent thrombo-occlusive events and death. Neurology 1997;48:91-94
31. Carroll J, Howard, E, **Hess DC**, Wakade M, Chen Q, Cheng C. Nuclear factor-kB activation during cerebral reperfusion:effect of attenuation with N-acetylcysteine. Molecular Brain Research 1998;56:186-191
32. Howard EF, Chen Q, Cheng C, Carroll JE, **Hess D**. NF-kB is activated and ICAM-1 gene expression is upregulated during reoxygenation of human brain endothelial cells. Neuroscience Letters, 1998;248:199-203
33. Demchuk A, **Hess DC**, Brass LM, Yatsu F. Is cholesterol a risk factor for stroke? Yes. Arch Neurol 1999; 56:1518-1520
34. Clark WM, Wissman S, Albers GW et al for the ATLANTIS Investigators (Hess D, member). Recombinant Tissue-Type Plasminogen Activator (Alteplase) for Ischemic Stroke 3 to 5 Hours After Symptom Onset. The ATLANTIS Study: A Randomized Controlled Trial. JAMA 1999;282:2019-2026
35. Meador KJ, Moore EE, Martin RC, Loring DW, **Hess DC**, Heilman KM. Limb and hemispacial hypometria. J Int Neuropsychological Soc 2000;6:71-75
36. **Hess DC**, Demchuk A, Brass LM, Yatsu F. HMG-CoA reductase inhibitors: a promising new treatment for stroke prevention. Neurology, 2000;54:790-796
37. **Hess DC**, Howard E, Cheng C, Carroll J., Hill WD. Hypertonic loading with mannitol and NF-kB transcription factor decoys blocks ICAM-1 upregulation in human brain microvascular endothelial cells Stroke; 2000;31:1179-1186
38. Clark WM, Albers GW, Madden KP, Hamilton S for the Thrombolytic Therapy in Acute Ischemic Stroke Study Investigators (Hess D, member). The rtPA 0-6 hour Acute Stroke Trial, Part A (AO276 g): Results of a Double-Blind, Placebo-Controlled, Multicenter Trial. Stroke 2000;31:811-816
39. Carroll J, **Hess DC**, Howard E, Hill WD. Is nuclear factor -kB a good treatment target in brain ischemia-reperfusion injury? NeuroReport 2000;11:R1-R4
40. Meroni PL, Raschi E, Camera M, Testoni C, Nicoletti F, Tincani A, Khamashta MA, Balestrieri G, Tremoli E, **Hess DC**. Endothelial activation by aPL: A potential pathogenetic mechanism for the clinical manifestations of the syndrome. J Autoimmunity 2000;15:237-240
41. Hill WD, **Hess DC**, Carroll JC, Wakade C, Howard E, Meadows A. Inhibition of NF-kB activation with diethyldithiocarbamate increases DNA fragmentation during transient cerebral ischemia , Brain Research Bulletin, 2001;55:375-386

42. **Hess DC**, Fagan S. Pharmacology and Clinical Experience with Simvastatin. Expert Opinion in Pharmacotherapy, 2001; 2:153-163
43. **Hess DC**, Hill WD, Martin A, Carroll J, Brailer J, Carothers J. Bone marrow-derived cells differentiate into endothelial cells and NeuN-expressing cells after stroke. Stroke 2002;33:1362-8
44. Sethi KD, Lee KH, Deuskar V, **Hess DC**. Orthostatic paroxysmal dystonia. Mo Disord 2002;17:841-5
45. **Hess DC**, Hill WD, Martin-Studdard A, Carothers J, Brailer J, Carroll J. Blood into brain after stroke. Trends Mol Med 2002;8:452-3
46. Masuya M, Drake CJ, Fleming PA, Reilly CM, Zeng H, Hill WD, Martin Studdard A, **Hess DC**, Ogawa M. Hematopoietic origin of glomerular mesangial cells. Blood 2002; e pub Nov 14
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