

Avroy A. Fanaroff, MB, BCh [RAND), FRCP[E], FRCPCH
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PRESENT POSITIONS:

- 2004 Chair, Department of Pediatrics, Case Western Reserve Univ, Cleveland, OH
- 2003 Interim Chair, Department of Pediatrics, Case Western Reserve Univ, Cleveland, OH
- 2000 Eliza Henry Barnes Professor in Neonatology
- 1998 Co-Director, Neonatology Division, Rainbow Babies & Children's Hospital, Cleve, OH
- 1985 Professor, Reproductive Biology, Case Western Res Univ Sch of Medicine, Cleve, OH
- 1981 Professor, Pediatrics, Case Western Reserve University School of Medicine, Cleve, OH
- 1975 Director of Nurseries, University Hospitals of Cleveland, Cleveland, OH

EDUCATION:

- 1960 MB, BCh, University of the Witwatersrand, South Africa
- 1965 Member, Royal College of Physicians of Edinburgh
- 1965 Diploma, Child Health, Royal College of Physicians and Surgeons, London
- 1980 Fellowship, Royal College of Physicians of Edinburgh
- 1998 Fellow, Royal College of Paediatricians and Child Health, London, England

TRAINING:

- 1961-1962 Medical and Surgical Intern, Johannesburg General Hospital, Johannesburg, SA
- 1962 Pediatric House Physician [intern), Addington Hospital
- 1962-1963 Pediatric House Physician [intern), Transvaal Memorial Hospital for Children
- 1963-1964 Internal Medicine Registrar [resident), Johannesburg, South Africa
- 1965 Pediatric Registrar [resident), Middlesex Hospital, London, England
- 1965 Pediatric Registrar [resident), St. Mary's Hospital, London, England
- 1965-1967 Pediatrician, Baragwanath Hospital, Johannesburg, South Africa
- 1967-1968 Pediatric Registrar [resident), Transvaal Memorial Hospital for Children
- 1968-1969 Pediatric Consultant [pediatrician), Baragwanath Hospital, Johannesburg, SA
- 1969-1970 Pediatric Resident and Fellow, Case Western Reserve University, University Hospitals of Cleveland, Cleveland, OH
- 1970-1971 Ford Foundation Post-Doctoral Fellow, Case Western Reserve University, University Hospitals of Cleveland, Cleveland, OH

HOSPITAL APPOINTMENTS:

1971-present Attending Pediatrician

1973-1975 Associate Director of Nurseries, University Hospitals of Cleveland, Cleve, OH

1975-1998 Director, Neonatology Division, Rainbow Babies & Children's Hospital, Cleve, OH

1975-present Director of Nurseries, University Hospitals of Cleveland, Cleveland, OH

2003-2004 Interim Chair of Pediatrics, University Hospitals of Cleveland, Cleveland, OH

2004-present Chair of Pediatrics, University Hospitals of Cleveland

ACADEMIC APPOINTMENTS:

1969-1971 Teaching Fellow, Dept Pediatrics, Case Western Reserve Univ Sch Med, Cleveland, OH

1971-1975 Assistant Professor, Pediatrics, Case Western Reserve Univ Sch Medicine, Cleve, OH

1973-1974 Assistant Director, Department of Pediatrics, Rainbow Babies & Childrens Hospital, University Hospitals of Cleveland, Cleveland, OH

1974-1975 Assistant Professor, Neonatology in Reproductive Biology, Case Western Reserve University School of Medicine, Cleveland, OH

1974-1981 Associate Professor, Pediatrics, Case Western Reserve Univ Sch Medicine, Cleve, OH

1975-1981 Research Associate, School of Engineering, Case Western Reserve Univ, Cleveland, OH

1975-1985 Associate Professor, Neonatology in Reproductive Biology, Case Western Reserve University, Cleveland, OH

1981-present Professor, Pediatrics, Case Western Reserve Univ School of Medicine, Cleveland, OH

1985-present Professor, Neonatology in Reproductive Biology, Case Western Reserve University School of Medicine, Cleveland, OH

1985-1990 Vice Chairman, Department of Pediatrics, Case Western Reserve University School of Medicine

CERTIFICATION:

1972 State of Ohio - FLEX

1975 American Board of Pediatrics [April]

1975 Board-Certified Pediatrician, South African Medical and Dental Council

1975 American Board of Pediatrics: Sub-Board of Neonatal-Perinatal Medicine [Nov]

1989 American Board of Pediatrics: Recertification, Core and Neonatal-Perinatal Medicine

1996 American Board of Pediatrics: Recertification, Core and Neonatal-Perinatal Medicine

AWARDS AND HONORS:

- 1958 Prize Public Health
- 1976 The Central Association of Obstetricians and Gynecologists
- 1978-1979 *House Officers Faculty Teaching Award*, Rainbow Babies & Children's Hospital
- 1980 Fellow, Royal College of Physicians [Edinburgh]
- 1983 1st Place Prize, Physicians Category, American Medical Writers Association for *Behrman's Neonatal-Perinatal Medicine*, CV Mosby
Honorary Member, South African Pediatric Society
- 1987 Honorary Member, Argentinian Perinatal Association
- 1987 Honorary Member, Columbian Perinatal Association
- 1990 *Golden Stethoscope Award* for Outstanding Contributions to Clinical Pediatrics, presented by Case Western Reserve University's Pediatric Clinical Faculty
- 1992 Honorary Member, Pediatric Society, Concepcion, Chile, South America
- 1992 *The Best Doctors in America*, 1st ed., Woodward/White
- 1994 *The Best Doctors in America*, 2nd ed., Woodward/White
- 1994 American Academy of Pediatrics *Professional Education Award*
- 1996 *The Best Doctors in America: Midwest Region*, Woodward/White
- 1998 *The Best Doctors in America*, 4th ed., Woodward/White
- 1999 *National Neonatology Education Award*, American Academy of Pediatrics, Perinatal Section
- 2002 *Virginia Apgar Award*, American Academy of Pediatrics, Perinatal Section
- 2003 Cleveland Magazine Medical Hall of Fame Inductee
- 2004 Who's Who in Medicine and Healthcare – 5th Edition

TEACHING FILMS AND AUDIOTAPES:

- 1976 Examination of the Newborn, Health Sciences Communication Center, Case Western Reserve University.
- 1976 *Neurologic Examination Through the First Year of Life*, with Dr. C. Amiel-Tison Health Sciences Communication Center, Case Western Reserve University. Consultants: A. Fanaroff and M. Hack.
- 1978 Chemical Dependency, Megahertz TV Program, Health Sciences Communications Center, Case Western Reserve University.
- 1988 American Academy of Pediatrics - Audiocassette panel discussion: *Pediatric Update: Prematurity vs Growth Retardation*, Volume 8.
- 1990 American Academy of Pediatrics - Audiocassette panel discussion: *Pediatric Update: Issues on Breast Feeding*, Volume 11.
- 1991 American Academy of Obstetrics/Gynecology - *Pediatric Update: Developments in Respiratory Distress Syndrome*, Volume 16.
- 1994 Audio-Digest Pediatrics, *Neonatal Sepsis: What's New?*, Volume 40.

SOCIETIES:

- Member, The American Pediatric Society
- Member, British Medical Association and South African Medical Association
- Member, Society for Pediatric Research
- Member, Midwest Society for Pediatric Research
- Fellow, Royal Society of Medicine, London
- Member, Society of Critical Care Medicine
- Fellow, Academy of Pediatrics
- Member, Perinatal Section, Academy of Pediatrics

SOCIETIES (CONT)

Member, Perinatal Research Society
Member, Academy of Medicine of Cleveland
Member, American College of Nutrition
Member, European Society for Pediatric Research
Member, Association for the Care of Children's Health
Overseas Fellow, Royal College of Paediatrics and Public Health, London, England

COMMITTEES

Departmental

Academic Planning Committee, Department of Pediatrics
Chairman, Appointments, Promotion and Tenure Committee [1985-1987]
Financial Task Force, Department of Pediatrics [1991]
Contracts Committee, Department of Pediatrics [1991]
Faculty Benefits Committee, Department of Pediatrics [1993]
Reorganization Task Force, Department of Pediatrics [1994]
President, Children's Research Foundation
Education Committee, Department of Pediatrics
Chair, Committee on Appointments, Promotions, & Tenure [2001- 2003]

University Hospitals of Cleveland

OB-GYN Administrative Committee, MacDonald Women's Hospital
Neonatal Intensive Care Unit Operating Committee, Rainbow Babies & Children's Hospital
Member, Clinical Council, University Hospitals of Cleveland [2003-present]
Rainbow Babies & Children's Hospital Subcommittee of University Hospitals of Cleveland
Board of Trustees [2003-present)
University Hospitals of Cleveland Steering Committee for Navigant Consultants [2003]
Executive Committee, Unified Practice Plan [2003-present]
President's Advisory Committee [2004-present]

University Hospitals Health System
Development Task Force [2003-2004]
Search Committee for Senior Vice President of Development [2003-2004]

Case School of Medicine

Committee on Continuing Medical Education [1980-1985]
Appointment, Promotion and Tenure Committee, School of Medicine [1987-1990]
Search Committees for Chair of Reproductive Biology and Chair of Radiology [1991]
Council of Clinical Chairs [2003-present]
Search Committee for Chair of Surgery [2004]
Search Advisory Committee for Associate Dean for Research Administration [2004]
Review Committee for Centers within Division of General Medical Sciences [2004]
Symposium 2005 Planning Committee [2004-2005]
Search Committee, Associate Dean for Development and Alumni Relations [2004]

COMMITTEES (CONT)Local

Regional Pediatric Emergency Care Advisory Committee
Cleveland Regional Perinatal Network Advisory Committee

State and Regional

Fetus and Newborn, Academy of Pediatrics, State of Ohio, 1971-1986
Chairman, Fetus and Newborn, Northeast Ohio Pediatric Society, 1975-1985
Ohio Perinatal Consultants, Advisory Committee, State Department of Health for Governor
Northeast Ohio Emergency Medical Services
Medical Advisory Committee, Hattie Larlham Foundation, Mantua, Ohio

National

Chair, Sub-Board, Neonatal-Perinatal Medicine, American Board of Pediatrics [1989-1990]
Examiner, Sub-Board, Neonatal-Perinatal Medicine, American Board of Pediatrics [1978-1981]
Scientific Review Committee, Indiana University [1982-1986]
Member, Sub-Board, Neonatal-Perinatal Medicine [1987-1994]
Member, National Board of Medical Examiners [1987-1989]
Member, Board of Directors, American Board of Pediatrics [1990]
Executive Committee, American Board of Pediatrics [1991-1993]
Board of Directors, Contemporary Forums [1991-present]
National Institutes of Health, Neonatal Research Group [1987-present]
 Member, Steering Committee
 Chairman, Generic Database Committee
 Chairman, Publications Subcommittee
 Chairman, Intravenous Immunoglobulin Subcommittee
Program Co-Chair, Fetus and Newborn, State of the Art Care Annual Meeting, 1985-present
Committee on Fetus and Newborn, American Academy of Pediatrics, 1992-1998
Residency Review Committee [1993-1999]
Organization of Neonatal Training Program Directors [1995-2000]
Chair, Organization of Neonatal Training Program Directors [1996-2000]
Member, Acute Respiratory Illness Association [ARIA] for Infants and Children, Inc.
Chair, Midwest Neonatal Advisory Group, MedImmune, Inc. [1999-present]
Chair, Paradigm National Neonatal Committee [2001-present]

Visiting Professorships - 2003

2003 Perinatal Section Meeting, American Academy of Pediatrics, Scottsdale, AZ
2003 Pediatric Academic Societies Annual Meeting, Seattle, WA
2003 11th Annual Neonatal Conference, Middlesbrough, UK
2003 Fetus & Newborn Conference, New Orleans, LA
2003 11th Newborn/Pediatric Symposium, Kosair Children's Hosp, Univ Louisville, KY
2003 20th Annual Fall Conf, Neonatology 2003: Clinical Advances, U Mich, Ann Arbor, MI
2003 American Academy of Pediatrics Annual Meeting, New Orleans, LA
2003 37th Ann Internat'l Conf - Neonatology 2003, Univ Miami, Key Biscayne, FL
2003 Hot Topics, Washington, DC

PUBLICATIONS:

1. Poindexter BB, Ehrenkranz RA, Stoll BJ, Koch MA, Wright LL, Oh W, Papile LA, Bauer CR, Carlo WA, Donovan EF, Fanaroff AA, Korones SB, Lupton AR, Shankaran S, Stevenson DK, Tyson JE, Lemons JA; National Institute of Child Health and Human Development Neonatal Research Network. Effect of parenteral glutamine supplementation on plasma amino acid concentrations in extremely low-birth-weight infants. *Am J Clin Nutr* 77(3):737-743, 2003.
2. Fanaroff AA, Hack M, Walsh MC: The NICHD Neonatal Research Network: Changes in practice and outcomes during the first 15 years. *Semin Perinatol* 27:281-287, 2003.
3. Wadhawan R, Vohr BR, Fanaroff AA, Perritt RL, Duara S, Stoll BJ, Goldberg R, Lupton A, Poole K, Wright LL, Oh W: Does labor influence neonatal and neurodevelopmental outcomes of extremely-low-birth-weight infants who are born by cesarean delivery? *Am J Obstet Gynecol* 189:501-506, 2003.
4. Walsh MC, Wilson-Costello D, Zadell A, Newman N, Fanaroff A: Safety, reliability, and validity of a physiologic definition of bronchopulmonary dysplasia. *J Perinatol* 23:451-456, 2003.
5. Murray G, Ormson MC, Loh MHL, Ninan B, Ninan D, Dockery L, Fanaroff AA: Evaluation of the Natus ALGO 3 Newborn Hearing Screener. *JOGNN* 33:183-190, 2004
6. Kreiser D, Baum M, Seidman DS, Fanaroff A, Shah D, Hendler I, Stevenson DK, Schiff E, Druzin ML: End tidal carbon monoxide levels are lower in women with gestational hypertension and pre-eclampsia. *J Perinatol* 24 (4): 213-7, Apr 2004.
7. Poindexter BB, Ehrenkranz RA, Stoll BJ, Wright LL, Poole WK, Oh W, Bauer CR, Papile LA, Tyson JE, Carlo WA, Lupton AR, Narendran V, Stevenson DK, Fanaroff AA, Korones SB, Shankaran S, Finer NN, Lemons JA: Parenteral glutamine supplementation does not reduce the risk of mortality or late-onset sepsis in extremely low birth weight infants. *Pediatrics* 113 (5): 1209-15, May 2004.
8. Stoll BJ, Hansen N, Fanaroff AA, Wright LL, Carlo WA, Ehrenkranz RA, Lemons JA, Donovan EF, Stark AR, Tyson JE, Oh W, Bauer CR, Korones SB, Shankaran S, Lupton AR, Stevenson DK, Papile LA, Poole WK: To Tap or Not To Tap: High Likelihood of meningitis without sepsis among very low birth weight infants. *Pediatrics* 113 (5): 1181-6, May 2004.

ABSTRACTS [*Presentation]:

- 1 Schmidt B, Roberts RS, Fanaroff A, Davis P, Kirpalani HM, Nwaesei C, Vincer M, the TIPP Investigators: Why does indomethacin prophylaxis prevent patent ductus arteriosus [PDA], but not bronchopulmonary dysplasia [BPD]? *Pediatr Res* 53:354A, 2003.
2. Stoll BJ, Adams-Chapman I, Hansen N, Fanaroff A, Hintz SR, Vohr B, for the NICHD Neonatal Research Network: Abnormal neurodevelopmental [ND] outcome of ELBW infants with infection. *Pediatr Res* 53:391A, 2003.
3. Hintz SR, Kendrick DE, Stoll BJ, Vohr BR, Fanaroff AA, Donovan EE, Poole WK, Blakely ML, Wright LL, for the NICHD Neonatal Research Network: Long-term neurodevelopmental outcome of extremely low birth weight [ELBW] infants after necrotizing enterocolitis. *Pediatr Res* 53:398A, 2003.
4. Fanaroff AA, Poole K, Duara S, Goldberg RN, Lupton A, Oh, W, Stoll B, Wright LL, for the NICHD Neonatal Research Network: Micronates: 401-500 grams: The NICHD Neonatal Research Network experience 1996-2001. *Pediatr Res* 53:398A, 2003.

GRANT SUPPORT

NIH

Department of Child Health and Human Services

Project Title: Cooperative Multicenter Network of NICUs

Project Co-Director: Avroy A. Fanaroff, M.D.

Project Period: April 1, 2001-March 31, 2006

Budget: \$644,621 for total project