

## Curriculum Vitae

**Name:** Howard A. Black, MD

**Business Address:** Comprehensive Centers for Pain Management  
7053 W. Central Ave.  
Toledo, Ohio 43617

Anesthesiology Consultants of Toledo  
2914 S. Republic  
Toledo, Ohio 43615

**Appointments:** The Toledo Hospital – Chairman of Anesthesia, 1998 – present

The Toledo Hospital – Staff Anesthesiologist, 1989 – present

Flower Hospital – Staff Anesthesiologist, 1998 – present

Medical Director Student Registered Nurse  
Anesthetists Affiliation – Wayne State University, 1991 – present

Medical Director, Pre-admission testing (PAT) and  
Post Anesthesia Care Unit

Clinical Instructor, Department of Circulation Technology,  
Medical University of South Carolina, Charleston, SC 1979-1981

**Education:** Fellowship Cardiothoracic Anesthesia,  
The Ohio State University Hospitals

Anesthesiology Residency, Department of Anesthesiology  
The Ohio State University

M.D., Medical University of South Carolina  
Charleston, South Carolina 1980-1984

B.S. Biochemistry, The Ohio State University, 1977

B.S. Post-Certificate, Circulation Technology, 1979  
The Ohio State University

**Honors:** 1994 Visiting Clinical Professor, ect.  
Institute of Cardiovascular Surgery  
Ukranian Academy of Medicine Sciences

Chief Resident, Anesthesiology, Department of Anesthesiology  
The Ohio State University Hospitals 1986-1987

**Certification:** 1988 American Board of Anesthesiology  
Diplomat of National Board of Medical Examiners  
1996, Diplomat American Academy of Pain Management

**Licensure:** State of Ohio Medical Board I.D. Number 52805, 1985-present

**Memberships:** American Society of Anesthesiologists  
Ohio Society of Anesthesiologists  
American Medical Association  
Ohio State Medical Association  
International Anesthesia Research Society  
Society of Cardiovascular

**Staff Committees:** Medical Executive Committee  
Anesthesia Quality Committee 1992-present (member and past chairman)  
Member, Surgical Quality Committee 1993-1997  
Examination Committee, Council on Certifications of Nurse Anesthetists,  
Member 1991-1994

**Bibliography:** Howie, M.B., Black, H.A., et. al, "A Comparison of Insoflurane Versus Fentanyl as Primary Anesthetics for Mitral Valve Surgery." Anesthesia and Analgesia, 1996; 83:941

Howie, M.B., Black, H.A., et. al, "Esmolol Reduces Autonomic Hypersensitivity and Length of Seizures Induced by Electroconvulsive Therapy." Anesthesia and Analgesia, 1990; 71:3848

Black, H.A., Dearing, J.P. "Total Exchange Transfusion Prior to Cardiopulmonary Bypass in the Sickle Cell Anemia". The Journal of Extra-Corporeal Technology, Vol. 12, No. 4, 82-85, 1980

**References:** Peter J. Wilson, MD  
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Robert Rawitscher, MD  
Section Chief, Cardio Thoracic Surgery  
Surgical Director Ritter Heart Institute  
2109 Hughes Dr. #720  
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Robert A. May, MD  
Department of Anesthesiology  
2914 S Republic  
Toledo, Ohio 43615

Michael B. Howle, MD, Professor  
Director, Cardiovascular Anesthesia  
Department of Anesthesia  
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