

CURRICULUM VITAE

FRED S. WREFORD, MD

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EXPERIENCE

2008-Present Advance Pathology Services, PC Cadillac, MI

President

- Medical Examiner, Wexford County, MI
- Assistant Medical Examiner, Manistee County, MI (2014 – 2016)
- Staff Pathologist
- Staff Pathologist, West Shore Medical Center
- Medical Director, National Laboratories, Detroit, MI

2002-2011 CLIA Director, Baldwin Family Care

1999-2008 Mercy Hospital Cadillac Cadillac, MI

Staff Pathologist

- Assistant Medical Examiner, Wexford County, MI
- Assistant Medical Examiner, Roscommon County, Michigan

1993-1999 Institute of Pathology Saginaw, MI

Staff Pathologist

- CLIA Director, Covenant Health System, Harrison Campus, 1998-1999
- CLIA Director, Covenant Health System. Mackinaw Facility. 1998-1999
- Technical Consultant, Transfusion Medicine, Covenant Health System, 1998-1999
- Technical Consultant, Medical Microbiology, Covenant Health System, 1998-1999
- Director of Laboratory, Caro Community Hospital, Caro, MI, 1994-1999
- CLIA Director, Saginaw General Hospital, 1994-1998

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- CLIA Director, Saginaw General North, 1994-1998
- Technical Consultant, Medical Microbiology, Saginaw Medical Center, 1993-1998
- Technical Consultant, Blood Bank, Saginaw Medical Center, 1993-1998

1991–1992 Veteran’s Administration Medical Center Allen Park, MI
Staff Pathologist

- Director of Microbiology

POSTGRADUATE TRAINING

1992–1993 Cleveland Clinic Foundation Cleveland, OH
Clinical Microbiology Fellowship

1987-1991 Grand Rapids Area Med. Ed. Ctr. Grand Rapids, MI

- Anatomic and Clinical Pathology

1986-1987 Mount Caramel Mercy Hospital Detroit, MI

- Internal Medicine

EDUCATION AND DEGREE

1983-1986 American University of the Caribbean, Plymouth, Montserrat,
British West Indies

- Doctor of Medicine (M.D.)

1979-1982 Eastern Michigan University, Ypsilanti, MI

- Master of Science (M.S.) Major: Biology/Microbiology

1975-1979 Michigan State University, East Lansing, MI

- Bachelor of Science (B.S.) Major: Microbiology

LICENSES AND CERTIFICATIONS

State of Illinois, Medical License 036.133877 Issued: 2013

State of Indiana, Medical License 01072617A Issued: 2013

State of Michigan, Medical License 4301407392 Issued: 1989

State of Ohio, Medical License 122201 Issued: 2013

State of Wisconsin, Medical License 62648-20 Issued: 2014

ECFMG Certificate 368-691-0	Issued: 1986
American Board of Pathology, Anatomic and Clinical	Issued: 1992
American Board of Forensic Examiners, Diplomat	Issued: 1996
American Board of Forensic Medicine, Diplomat	Issued: 1996

HONORS

- Treasurer, Tom Dillon Family YMCA, Cadillac, MI, 2008-Present
- 2008 “America’s Top Physicians” Anatomic and Clinical Pathology, Consumer’s Research Council of America
- 2007 “America’s Top Physicians” Anatomic and Clinical Pathology, Consumer’s Research Council of America
- Corporate Member, Munson Healthcare, Traverse City, Michigan, 2007 - 2009.
- Board Member, Tom Dillon Family YMCA, Cadillac, MI, 2006-Present
- 2006 “America’s Top Physicians” Anatomic and Clinical Pathology, Consumer’s Research Council of America
- Manchester Who's Who Registry of Executives and Professionals, 2006-Present.
- Munson Hospital Advocacy Committee, 2005 to 2008
- Physician Liaison Infection Control Committee, Covenant Health System, 1998-1999
- Chairman, Infection Control Committee, St. Luke’s Hospital , 1996-1998
- Infection Control Committee, St. Luke’s Hospital, 1994-1996
- Infection Control Committee, Saginaw General Hospital, 1994-1998
- Transfusion Committee, St. Luke’s Hospital, 1994-1998
- Transfusion Committee, Saginaw General Hospital, 1997-1998
- Clinical Instructor, Michigan State University, College of Human Medicine, Department of Pathology, 1994-1999

- Physician's Recognition Award in Continuing Medical Education, American Medical Association, 1993-1998
- Strathmore's Who's Who 1997-1998
- Instructor, Department of Pathology, College of Human Medicine, Michigan State University, 1987-1991
- Chief Resident, GRAMEC Pathology Program, Grand Rapids, MI, 1990
- Representative, Butterworth Hospital Staff Council, Grand Rapids, MI, 1990
- Graduate Assistant, Department of Biology, Eastern Michigan University, 1980-1982
- American Board of Forensic Examiners, 1996-Present
- American Board of Forensic Medicine, 1996-Present
- Fellow, American Society of Clinical Pathologists, 1995-Present
- American Medical Association, 1986-Present
- American Society for Microbiology, 1980-Present
- American Public Health Association, 1980-1987
- Fellow, College of American Pathologists, 1987-Present
- SCACM, 1992-Present
- Beta Beta Beta

PATENTS

1. United States Provisional Patent No. 61/535,762 **Enhanced detection of Non-somatic circulating nucleic acids.**

PAPERS AND ABSTRACTS

1. Fatal dysrhythmia secondary to Thyrotoxicosis Periodic Paralysis in a 24 year-old white male, Lab Medicine. October 2007; 38(10): 614-617.
2. Prevalence and Epidemiology of Vancomycin Resistant Enterococcus in Hospitalized Patients, Poster, American College of Physicians-American Society of Internal Medicine. Associates Competition, 1999.
3. Gandhi, M.D., M. Malicdam, D. DeHart and F. Wreford, Prevalence of *E. coli* 0157:H7 in Ground Beef in Our Community, Poster, American College of Physicians-American Society of Internal Medicine. Associates Competition, 1999.

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4. Bridges D. and F. S. Wreford. The Biostar Optical Immunoassay (OIA), a Rapid Test for Group B Streptococcus as compared to Culture, Saginaw Cooperative Hospitals, Inc. Obstetrics and Gynecology Department. Annual Resident Research Day, May 11, 1998.
5. Tisol, W. M. Wagner, R. Wolford, P. Vasilenko and F. Wreford, Prospective Evaluation of the Centor Criteria in Children with Sore Throat, Abstract, SAEM Annual Meeting, May 19-22, 1997.
6. F. Wreford M.D. and I. Rutherford, M.D., A Comparison of Gram and Acridine Orange Stains for the Detection of Bacterial Contamination of Platelet units. Poster, 94th General Meeting, American Society for Microbiology, Las Vegas. Nevada May 23, 1994.
7. Eisenstadt, F. Wreford, L. Polhman, D. Longworth, B A Kirkley and J A. Washington, Comparison of Two Blood Culture Systems in Detection of Persistent *S. aureus* Bacteremia in Treated Patients. Poster, 94th General Meeting, American Society for Microbiology, Las Vegas, Nevada, May 23, 1994.
8. F.S. Wreford and J.A. Washington, Retrospective Analysis of the Order of Magnitude of Staphylococcal Bacteremia Poster, 93rd General Meeting, American Society for Microbiology, Atlanta, GA. May, 1993.
9. Dybal, M.D., F. Wreford M.D., J.E. Pontes, M.D. and G.P. Hass, M.D., Eosinophilic Cystitis: A Rare Benign but Potentially Lethal Condition. Abstract, 68th Annual Meeting of the North Central Section American Urological Association, Inc.; Hyatt Regency Cerromar Beach Resort. Puerto Rico; Oct. 25-31, 1992.
10. F. Wreford and Barbara. Robbins, Incidence of high dose aminoglycoside, penicillin and vancomycin resistance in Enterococci of deep tissue infections in Michigan, Abstract, GRAMEC Research Day, Grand Rapids, Michigan, April 1991.
11. Wreford, F.S., et al.; Sudden Death Caused by Coronary Artery Aneurysms: A Late Complication of Kawasaki Disease, Journal of Forensic Science. January 1991; 36(1): 51-59.
12. Wreford, F.S., Transmissible Antibiotic Drug Resistance in *Escherichia coli* isolated from the Huron River, Ann Arbor, Michigan. Thesis, Eastern Michigan University, 1982, pp.69.

PRESENTATIONS

1. Thyrotoxicosis Hypokalemic Periodic Paralysis, Grand Rounds, Mercy Hospital Cadillac, Michigan; September 6, 2007
2. Human Papillomavirus (HPV) 2007 Update, Grand Rounds, Mercy Hospital Cadillac, Michigan; March 8, 2007
3. Blood Transfusions - Update and Problems, Covenant Obstetrics and Gynecology Rounds, January 11, 1999.
4. Update in Transfusion Medicine. Covenant Surgical Grand Rounds. October 29, 1998.
5. Transfusion Medicine Update, SCHI Internal Medicine Grand Rounds. September 8, 1998.
6. Benign Endometrial Lesions Part I, Saginaw General Hospital, March, 1998.

7. Benign Endometrial Lesions Part II, Saginaw General Hospital, April, 1998
8. Hepatitis A-G, SMC Laboratory Grand Rounds, March, 1997
9. Hepatitis A-G. SCHI Internal Medicine Grand Rounds, January 7, 1997
10. Laboratory Diagnosis of Pneumonia, SMC Laboratory Grand Rounds. November. 1996.
11. Laboratory Diagnosis of Pneumonia, SCHI Internal Medicine Grand Rounds, April, 1996.
12. Blood Cultures, COI Meeting, Saginaw General Hospital, Saginaw, Michigan; May, 1995.
13. Blood Cultures. St. Mary's Hospital. Saginaw; Michigan: April 18, 1995.
14. Urinary Tract Infections, COI Meeting, Saginaw General Hospital. Saginaw; Michigan; March, 1995.
15. Vulva Infections, Part II Saginaw General Hospital. Saginaw, Michigan, July 2, 1994.
16. Vulva Infections, Part I. Saginaw General hospital. Saginaw. Michigan; June 22, 1994.
17. Tuberculosis Update Saginaw Medical Center Laboratories, Saginaw; Michigan, March 20 1994.
18. Multidrug Resistant Tuberculosis. The American Experience. Michigan Branch of the American Society for Microbiology Annual Meeting, Windsor. Ont., April 17, 1993.
19. Multidrug Resistant Tuberculosis, Infectious Disease Grand Rounds, Cleveland Clinic Foundation, Cleveland, OH; January 27, 1993.
20. Diseases of the Central Nervous System, Cleveland Clinic Foundation. Cleveland, OH, October 13 & 30, 1992
21. Bacterial and Viral Zoonoses, Cleveland Clinic Foundation, Cleveland, OH: October 19. 1992.
22. Dysgonic Fermenter-3 Bacteremia in a Patient with AML Cleveland Clinic Foundation, Cleveland, OH; October 7, 1992.
23. Tumor Board, Weekly Meeting; Veteran's Administration Medical Center, Allen Park, Michigan July 1991 to July 1992.
24. Weekly Uro-pathology Review, Veteran's Administration Medical Center, Allen Park. Michigan, July 1991 to 1992.
25. Cytopathology of the Breast, Blodgett Memorial Medical Center, Grand Rapids, Michigan; February 27. 1991.
26. Incidence of high dose amino glycoside, penicillin and vancomycin resistance in Enterococci of deep infections in Michigan, Indiana University, Indianapolis, Indiana, February 1991.
27. What is "Beta2 Microglobulin" Anyway?, St. Mary's Hospital; Grand Rapid's, Michigan. November 24, 1990.
28. Primary Pulmonary Hemosiderosis, A Case Review. Michigan State University, East Lansing, Michigan, October 1990.
29. Tumor of the Foot due to *Tunga penetrans*: A Case Review, Michigan State University, East

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Lansing, Michigan, October 1990.

HOBBIES

- SCUBA Diving
- Downhill and Cross-Country Skiing
- Photography
- Travel

REFERENCES

Upon Request