

Curriculum Vitae

James O. Ballard, A.B., M.D., FACP

Citizenship: US

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Present Titles and Affiliation:

Professor of Humanities, Medicine & Pathology
Department of Humanities – H134
Penn State University College of Medicine
Jane W. and Lawrence F. Kienle Chair
for Humane Medicine (endowed chair)

Attending Physician
Department of Medicine
Division of Hematology/Oncology – H046
Penn State Milton S. Hershey Medical Center

Undergraduate and Graduate Education/Degrees:

West Virginia University, A.B. (Honors), Premedical Sciences, 1965
University of Maryland, M.D., Medicine, 1969

Postgraduate Training

1969-1970

Internship in Medicine

	Georgetown University Medical Center Washington, DC
1970-1971	Junior Assistant Resident in Medicine Georgetown University Medical Center Washington, DC
1971-1972	Senior Resident in Medicine Medical Center Hospitals of Vermont University of Vermont Burlington, Vermont
1972-1973	Clinical Fellow in Hematology Georgetown University Medical Center Washington, DC
1975-1976	Clinical Fellow in Hematology The Milton S. Hershey Medical Center Hershey, PA
1976- 1978	Research Fellow in Hematology The Milton S. Hershey Medical Center Hershey, PA

Military Service

1973-1975 Major, US Army Medical Corps. Staff Internist and Hematology Consultant, USAH 121st Evacuation Hospital, Seoul, Korea and USAH Kimbrough, Ft. Meade, MD

Medical Licensures and Certifications

District of Columbia, #6182 (inactive), 1972
Commonwealth of Pennsylvania, # MD-016357-E (active), 1975
National Board of Medical Examiners, 1970
American Board of Internal Medicine, June 21, 1972
Subspecialty Certification in Hematology, October 19, 1976

Hospital Appointments

1978-present	Attending Physician, Hematology/Oncology Division, Department of Medicine
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Penn State Milton S. Hershey Medical Center
Hershey, PA

- 1978-1996 Co-Director, Special Hematology Laboratory, The Milton S. Hershey Medical Center
- 1980-1981 Interim Medical Coordinator, Therapeutic Apheresis, The Milton S. Hershey Medical Center
- 1980-present Associate Director, Hemophilia Center of Central PA, Penn State Milton S. Hershey Medical Center
- 1982-1999 Hematology Consultant, Veterans Administration Hospital, Lebanon, PA

Teaching Appointments

- 1976-1978 Instructor in Medicine, Penn State College of Medicine/The Milton S. Hershey Medical Center
- 1978-1985 Assistant Professor of Medicine, Penn State College of Medicine (PSUCOM)/ The Milton S. Hershey Medical Center
- 1983-2002 Block Coordinator, *Hematology*, 2nd Year Medical Student Curriculum, Traditional Track (1983-1998) and Integrated Curriculum Track (1999-2002), PSUCOM
- 1985-1991 Associate Professor of Medicine (tenured), PSUCOM, The Milton S. Hershey Medical Center
- 1991-1999 Professor of Medicine, PSUCOM/The Milton S. Hershey Medical Center
- 1994-1997 Facilitator, Problem Based Learning Track, PSUCOM
- 1997-2013 Facilitator, Problem Based Learning, Integrated Curriculum, PSUCOM
- 1998-2002 Course Co-Director, Hematology Component, Integrated Curriculum (2nd year medical Students), PSUCOM

- 1999-2002 Professor of Medicine and Pathology, PSUCOM/ Penn State Hershey Medical Center
- 1999-2002 Instructor in Humanities: *Patients, Physicians & Society I* for 1st year students (“Medicine and Humanities”) and *Patients, Physicians and Society II* for 2nd year medical students (“Ethics and Professionalism”); *Ethics Case Conferences for 3rd year Medical Students*; *End-of-Life Care (EPEC)* Humanities Elective for 4th year medical students; *IBIOS 591: Ethics in the Life Sciences for Basic Science Graduate Students*--all at PSUCOM
- 1999-2009 Visiting Professor, West Virginia School of Osteopathic Medicine
- 2001-2005 OSCE Examiner for 3rd year medical students, PSUCOM
- 2002-present Humanities small group instructor: *Medical Humanities* (1st year medical students), *Ethics and Professionalism* (second year students), PSUCOM
- 2002-present Humanities Selective course director and instructor: *Education in End of Life and Palliative Care (EPEC)* (fourth year students), PSUCOM
- 2002-present Professor of Medicine, Pathology and Humanities (tenured), PSUCOM/ Penn State Hershey Medical Center
- 2008-2014 Co-Director, *Hematology* (2nd year medical student curriculum, 2008-2013 and 1st year medical student curriculum, 2013-2014), PSUCOM
- 2006-2007 Course Director and Instructor, *Humanities & Medicine* (PPS I Curriculum) (1st year medical students), PSUCOM
- 2007-2013 Course Co-Director, Clinical Learning and Competency (Problem Based Learning Curriculum), PSUCOM
- 2007-2012 Course Co-Director and Instructor, *Medical Humanities*, (1st year medical students), PSUCOM

2014-present	Humanities small group facilitator: <i>Mind-Body Medicine, Communication, Integrative Medicine</i> courses (all 1st year), PSUCOM
2015-	Director of Collaboration in Medical Humanities Education in Ghana, PSUCOM and MountCrest University, Ghana
2016-	Course Co-Director and Instructor, <i>Medical Humanities</i> , (1 st year medical students, PSUCOM

Administration

1985-1988	Director, Third Year Medicine Clerkship, PSUCOM, The Milton S. Hershey Medical Center
1989-1996	Co-Director, Hematology/Oncology Fellowship Training Program, The Milton S. Hershey Medical Center
1991-2004	Student Ombudsperson, PSUCOM
1996-1999	Chair, Committee for Undergraduate Medical Education, First and Second Years (CUMED), PSUCOM
1999-2002	Interim Chair, Department of Humanities, PSUCOM

Honors

Alpha Epsilon Delta Premedical Honor Society (1964)
 Alpha Omega Alpha (1968)
 Who's Who in the East (1995-2000)
 Who's Who in America (2000-present)
 Who's Who Among American Teachers (2002)
Best Doctors in America (2002- present)

Ad hoc Reviewer/Consultant (Continuing)

- JAMA
- Hemophilia
- MKSAP Certifying/Recertifying Examination, American College of Physicians-American Society of Internal Medicine
- Journal of Hospital Medicine

- MedEd Portal
- Medical Education
- Journal of General Internal Medicine
- Journal of Palliative Medicine

Awards

- 1976-1978 Postdoctoral Fellowship Award–Heart, Lung and Blood Institute, National Institutes of Health (F32-HL05349-01)
- 1981 Clinical Faculty Member of the Year, Presented by the Class of 1981, PSUCOM
- 1983 Outstanding Physician Award, Presented by Internal Medicine Residents, The Milton S. Hershey Medical Center
- 1990 Distinguished Physician Award for Excellence in House staff Teaching, Presented by Internal Medicine Residents, The Milton S. Hershey Medical Center
- 1999 Faculty Teaching Award, Presented by the Class of 2001, PSUCOM
- 1999 One-Hit Wonder Award, Presented by the Class of 2002, PSUCOM
- 2000 Outstanding Lecturer in Second-Year Hematology, Presented by the Class of 2002, PSUCOM
- 2001 Clinical Teaching Award in Humanities, Presented by the Class of 2001, PSUCOM
- 2001 Teacher of the Year Award, Presented by the Class of 2003, PSUCOM
- 2001 Best Course Director, Presented by the Class of 2003, PSUCOM
- 2002 Best of Hematology, Presented by the Class of 2004, PSUCOM
- 2002 Course Co-Director Award, Presented by the Class of 2004, PSUCOM

Memberships

Member, American Society of Hematology (1978-present)

Fellow, American College of Physicians (1983-present)
 Member, Board of Directors, Harrisburg Area Chapter, American Red Cross (1981-1984;
 1988-1994)
 Member, Board of Directors, Central Pennsylvania Blood Bank (1982-1984)
 Member, PA Society of Hematology/Oncology (1983-2008)
 Member, International Society of Thrombosis and Hemostasis (1993-2008)
 Member, Society of Distinguished Educators, Penn State College of Medicine
 Member, American Osler Society (2006-present)
 Member, American Society of Bioethics and Humanities (2000-present)

Hospital and College Committees

Member, Transfusion Committee, The Milton S. Hershey Medical Center (MSHMC)
 (1978-1984)
 Member, Cancer Committee, MSHMC (1980-1984)
 Chair, Ad Hoc Subcommittee on 3rd/4th Year Medical Student Evaluation, Department of
 Medicine, MSHMC (1983)
 Member, Ambulatory Care Committee, MSHMC (1985-1986)
 Member, Committee on Undergraduate Medical Education, PSUCOM (1985-1986)
 Chair, Ad Hoc Committee on Medical Student Evaluation, PSUCOM (1987-1988)
 Member, Steering Committee, Biomedical Ethics, MSHMC (1987-1988)
 Member, Ethics Committee, MSHMC (1988-1996); 2007-
 Member, Pharmacy and Therapeutics Committee, MSHMC (1988-1990)
 Member, Harrell Library Promotion and Tenure Committee, PSUCOM (1991; 1993-2002)
 Member, Ad Hoc Cancer Center Task Force, MSHMC (1993)
 Member, Medical Student Research Committee, PSUCOM (1990-1994)
 Member, Medical Staff Executive Committee, MSHMC (1987-2002)
 Member, Doctors Kienle Center for Humanistic Medicine, MSHMC (1987-present);
 Chair, Grants Committee (1987-1990); Chair, Humane Practice Committee (1990-
 present)
 Member, Ad Hoc Advance Directives Task Force (1991)
 Member, Department of Medicine Promotion and Tenure Committee PSUCOM (1991-
 1994)
 Member, Problem Based Learning Curriculum Committee, PSUCOM (1994-1996)
 Chair, Committee for Undergraduate Medical Education (CUMED), Years I and II,
 PSUCOM, (1996-1999)
 Member, Medical Student Selection Committee, PSUCOM (1996-1999)
 Councilor, Faculty Organization, PSUCOM (1994-1995)
 Co-Chair, The Hinkle Society, PSUCOM/MSHMC, (2001-2003)
 Member, Academic Team, PSUCOM/MSHMC, 2000-2002
 Member, PBL Task Force, PSUCOM/MSHMC, 2004
 Member, Woodward Endowment Steering Committee, PSUCOM/MSHMC, 2004-2006

Member, Search Committee, Chief of Transplant Surgery, PSMSHMC, 2004-2005
 Member, PSU College of Medicine Promotion and Tenure Committee, 2008-2012
 Member, LCME Self-Study Task Force, Preclinical Years, 2009-2010
 Member, Preclinical Curriculum Renewal Committee, 2011
 Member, Physicians Advisory Council for Pastoral Care, 2010-present
 Member, Search Committee, Equity Officer, Penn State College of Medicine, 2011
 Member, Promotion & Tenure Committee, Department of Humanities, 2012-

Volunteer/Community Service

Member, Board of Directors, American Red Cross, Central PA Region,
 1981-1994
 Member, Board of Directors, Central Pennsylvania Blood Bank, 1981-1983.
 Faculty preceptor for Medical Residents and First Year Medical Students, Bethesda
 Mission and LionCare Clinics, Harrisburg, PA 1990-2012
 Science Fair Judge, Susquenita High School, 1985-2010
 Elder, Presbyterian Church U.S.A., Derry Presbyterian Church, Hershey, PA

Publications

1. Collins, M.C., and **Ballard, J.O.**: Capturing the physician's thought processes: The problem oriented medical record (with emphasis on the plan). *The New Physician* 22:626-630, 1973.
2. **Ballard, J.**, Binder, R., Rath, C., and Powell, D.: Malignant histiocytosis ... with leukocytosis, eosinophilia and lymph node granuloma. *Cancer* 35:1444, 1975.
3. **Ballard, J.**, Towfighi, J., Brennan, R., Saleem, S., and Eyster, E.: Neurological complications of acute myelomonoblastic leukemia of four years duration. *Neurology* 28:174-179, 1978.
4. Eyster, E., Gill, R., Blatt, P., Hilgartner, M., **Ballard, J.**, Kinney, T., and the Hemophilia Inhibitor Study Group: Central nervous system bleeding in hemophiliacs. *Blood* 51:1179-1188, 1978.
5. Eyster, M.E., **Ballard, J.O.**, and Prager, D.: Comparison of Factor VIII levels after adrenalin in Hemophilia A and von Willebrand's disease. *Thromb. Haemost.* 39:657, 1978.
6. Strauss, J.H., **Ballard, J.O.**, and Chamlian, D.: Consumption coagulopathy associated with intrauterine fetal death: The role of heparin therapy. *Int. J. Gynaecol. Obstet.* 16(3):225-227, 1979.

7. Appelbaum, P., **Ballard, J.O.**, and Eyster, M.E.: Septicemia due to capnocytophaga (*B. Ochraceus*) in a patient with Hodgkin's disease. (Letter) *Ann. Intern. Med.* 90:716-717, 1979.
8. Shaikh, B.S., Dougherty, J.B., Hamilton, R.W., **Ballard, J.O.**, Patel, S.B., Gevirtz, N.R., and Eyster, M.E.: Selective use of daunorubicin for remission-induction chemotherapy in acute non-lymphoblastic leukemia. *Cancer* 46:1731-1735, 1980.
9. Parr, G.V.S. and **Ballard, J.O.**: Autologous blood transfusion with methyl dopa induced positive direct antiglobulin test. (Letter) *Transfusion* 20(1):119, 1980.
10. **Ballard, J.O.** and Eyster, M.E.: Altered serum Factor VIII-related antigen (VIII:AGN)/von Willebrand factor (VIII:vWF) in hemophiliacs with inhibitors to Factor VIII procoagulant activity (VIII:C). *Thromb. Haemost.* 45:68-72, 1981.
11. **Ballard, J.O.**, Kelly, G.A., Kukrika, M., Sanders, J.C., and Eyster, M.E.: Acquired dysfibrinogenemia in a hemophiliac with hepatoma: Resolution of fibrinogen dysfunction following chemotherapy. *Cancer* 48:686-690, 1981.
12. Eyster, M.E., Gordon, R.A., and **Ballard, J.O.**: The bleeding time is longer than normal in hemophilia. *Blood* 58(4):719-722, 1981.
13. Luderer, J.R., Schoolwerth, A.C., Sinicrope, R.A., **Ballard, J.O.**, Lookingbill, D.P., and Hayes, A.H.: Acute renal failure, hemolytic anemia and skin rash associated with Captopril therapy. *Am. J. Med.* 71:493, 1981.
14. Shung, K.K., Rocco, M., and **Ballard, J.O.**: Ultrasonic absorption in deer blood. *J. Acoust. Soc. Am.* 70(3):664-668, 1981.
15. Tallon, R.W., Koch, K.L., Barnes, S.G., and **Ballard, J.O.**: Envenomation coagulopathy from snake bites. (Letter) *N. Engl. J. Med.* 305:1347, 1981.
16. Greer, R.B. and **Ballard, J.O.**: Musculoskeletal bleeding in hemophilia. *Pediatr. Ann.* 11(6):521-527, 1982.
17. Eyster, M.E., Wahl, G., **Ballard, J.O.**, and Sanders, J.: An assessment of the fibrinolytic system in Hemophilia A. *Am. J. Hematol.* 13:141-147, 1982.
18. Shung, K.K., Krisko, B.A., and **Ballard, J.O.**: Acoustic measurements of erythrocyte compressibility. *J. Acoust. Soc. Am.* 72(5):1364-1367, 1982.

19. Kinney, E.L., Carlin, B., **Ballard, J.O.**, Burns, J.M., Hallahan, W.F., and Zelis, R.F.: Clinical experience with Amrinone in patients with advanced congestive heart failure. *J. Clin. Pharmacol.* 22:433-440, 1982.
20. Kinney, E.L., **Ballard, J.O.**, Carlin, B., and Zelis, R.: Amrinone-mediated thrombocytopenia. *Scand. J. Haematol.* 31:376-380, 1983.
21. Al-Mondhiry, H.A., **Ballard, J.O.**, and McGarvey, V.: Fibrinogen interaction with human platelets: Effect of other coagulation factors, prostaglandins and platelet inhibitors. *Thromb. Res.* 31:415-426, 1983.
22. Joehl, R.J., Rasbach, D.A., **Ballard, J.O.**, Weitekamp, M.R., and Sattler, F.R.: Moxalactam: Evaluation of clinical bleeding in patients with abdominal infection. *Arch. Surg.* 118:1259-1261, 1983.
23. **Ballard, J.O.**, Barnes, S.G., and Sattler, F.R.: A comparison of the effects of mezlocillin, carbenicillin and placebo on normal hemostasis. *Antimicrob. Agents Chemother.* 25(2):153-156, 1984.
24. Barnes, S.G., Sattler, F.R., and **Ballard, J.O.**: Perirectal infections in acute leukemia: Improved survival after incision and debridement. *Ann. Intern. Med.* 100:515-518, 1984.
25. Handford, H.A., Cadieux, R.J., Kales, A., **Ballard, J.O.**, and Potter, C.R.: Tracheostomy for sleep apnea in a hemophilic child. *Am. J. Pediatr. Hematol. Oncol.* 6(3): 346-349, 1984.
26. Kiefer, J., Zaino, R., and **Ballard, J.O.**: Erythroleukemic infiltration of a lymph node: Use of hemoglobin immunohistochemical techniques in diagnosis. *Hum. Pathol.* 15:1090-1093, 1984.
27. Stewart, D.W., **Ballard, J.O.** and Schoolwerth, A.C.: Cryopheresis in the treatment of systemic lupus erythematosus. *Trans. Am. Soc. Artif. Int. Organs.* 30:222-226, 1984.
28. Shulman, G., **Ballard, J.O.**, and Eyster, M.E.: Changes in plasma haptoglobin and alpha-2-macroglobulin in hemophiliacs receiving factor replacement therapy. *Am. J. Hematol.* 18:223-233, 1985.
29. Shung, K.K., Fei, D.Y., **Ballard, J.O.**: Further studies on ultrasonic properties of blood clots. *J. Clin. Ultrasound* 14:269-275, 1986.

30. Wallin, R., Patrick, S.D., **Ballard, J.O.**: Vitamin K antagonism of coumarin intoxication in the rat. *Thromb. Haemost.* 55:235-239, 1986.
31. Sattler, F.R., Weitekamp, M.R., and **Ballard, J.O.**: Potential risk for bleeding associated with new beta lactam antibiotics. *Ann. Intern. Med.* 105:924-931, 1986.
32. Eyster, M.E., Gail, M. H., **Ballard, J.O.**, Al-Mondhiry, H., Goedert, J.J.: Natural history of human immunodeficiency virus infections in hemophiliacs: Effects of T-cell subsets, platelet counts, and age. *Ann. Intern. Med.* 107:1-6, 1987.
33. Goldsmith, G.H., Baily, R.G., Brettler, D.R., Davidson, W.R., **Ballard, J.O.**, et al: Primary pulmonary hypertension in patients with classic hemophilia. *Ann. Intern. Med.* 108:797-799, 1988.
34. Eyster, M.E., **Ballard, J.O.**, Gail, M.H., Drummond, J.E., and Goedert, J.J.: Predictive markers for the Acquired Immunodeficiency Syndrome (AIDS) in hemophiliacs: Persistence of p24 antigen and low T4 cell counts. *Ann. Intern. Med.* 110:963-969, 1989.
35. Menache, D., O'Malley, J.P., Schoor, J.B., Wagner, B., Williams, C., Alving, B.L., **Ballard, J.O.**, and the Cooperative Group: Evaluation of the safety, recovery, half-life and clinical efficacy of Antithrombin III (human) in patients with hereditary Antithrombin III deficiency. *Blood* 75:33-39, 1989.
36. Vgontzas, A.N., Kales, J.D., **Ballard, J.O.**, Vela-Bueno, A., Tan, T.L.: Porphyria and panic disorder with agoraphobia. *Psychosomatics* 34:440-443, 1993.
37. Hamory, B.H., Zwillich, C., Bollard, E., **Ballard, J.O.**, Connor, M., Lurie, P., Moll, M., Rankin, J., Smith, C., Jenkins, S., Barrett, E., Miller, G.B., Frampton, W., Lanser, S., Nichols, C.R., King, D.T., Kingsbury, A.: Hantavirus pulmonary syndrome - Virginia, 1993. *MMWR* 43:876-877, 1994.
38. Probert, C., Ehmann, W.C., Al-Mondhiry, H., **Ballard, J.**, Helm, K.F.: Sweet's syndrome without granulocytosis. *Int J Dermatol* 34: 108-112, 1998.
39. **Ballard, J.O.**: Prefatory Comments: Cultural diversity in medical education. *Southern Folklore* 54: 59-60, 1997.
40. **Ballard, J.O.**: Anticoagulant-induced thrombosis. *JAMA* 282: 310-312, 1999.
41. Hunsaker Hawkins, A., **Ballard, J.O.**, Hufford, D: Humanities education at the

- Penn State College of Medicine. *Academic Medicine* 78:1001-1005, 2003.
42. Arunkumar, P, Crook, T, **Ballard, J**: Disseminated histoplasmosis presenting as pancytopenia in a methotrexate-treated patient. *Am J Hematol* 77:86-87, 2004.
 43. Powell, D, Whitener, C, Dye, C, **Ballard, J**, Shaffer, M and Eyster, M: Knee and Hip Arthroplasty infection rates in persons with hemophilia: A 27 year Single Center Experience During the HIV epidemic. *Haemophilia* 11:1-7, 2005.
 44. Dellasega, C, Milone-Nuzzo, P, Curci, K, **Ballard, J**, & Kirch, D: The Humanities Interface of Nursing and Medicine. *Journal of Professional Nursing* 23: 174-179, 2007.
 45. Whitfield C, Haidet P, **Ballard J**, Vrana K. Video Introduction for a PBL Case of Autoimmune Thrombocytopenic Purpura . MedEdPORTAL; 2012. Available at www.mededportal.org/publication/9103
 46. **Ballard, J.O.**, Living With the Dying: An early AIDS experience. *J Pain Symptom Manage* 2013; 46:150-153.
 47. **Ballard, J.O.**, Wyluda, Edward., Zheng, Hong, Creer, Michael. Unexpected Intravascular Hemolysis and Methemoglobinemia During Treatment for Lymphoma. *American Journal of Medical Case Reports* 2016; 4 (4), 144-147. (doi: 10.12691/ajmc-4-4-9)

Creative Works

Ballard, J.O.: Provenance. *JAMA*. 2009;301(2):140-141.

Ballard, J.O.: More Things in Heaven and Earth. *JAMA*. 2009;302(7):723-724.

Ballard, J.O.: To Bed with Dad. *JAMA*. 2010;303(12):1125-1126,

Ballard, J.O.: Night Call. *Ann Int Med*. 2010;153:273.

Ballard, J.O.: December Fall. Hektoen International. Vol. 4, Issue 1, 2012 available at www.hektoeninternational.org/journalVol4issue1.html

Ballard, J.O.: The Calling. *Practical Radiation Oncology*. 2015;5:207-208.

Electronic Media

Makhoul I, Javeed M, Ballard JO.: Spur Cell Anemia. eMedicine from WebMD. Updated November 11, 2008. Available at: www.emedicine.com/med/topic2163.htm.

Books and Book Chapters

1. Gordon, R.A. and **Ballard, J.O.**: Hematology. In: Medical Consultation, 2nd Edition, Chapter 13, Ed. by Kammerer, W.S. and Gross, R., Williams and Wilkins, Baltimore, Maryland, 1990.
2. Hawkins, A. and **Ballard, J.** (co-eds.): Time to Go: Three Plays on Death and Dying, with Commentary on End-of-Life Issues. Philadelphia: University of Pennsylvania Press, 1995.
3. **Ballard, J.O.** and Gordon, R.A.: Hematology. In: Kammerer and Gross' Medical Consultation, 3rd edition, Chapter 15, Ed. by Gross, R.J. and Caputo, G.M., Williams and Wilkins, Baltimore, Maryland, 1998.

Selected National and Regional Presentations*

1. Eyster, M.E., **Ballard, J.O.**, and Prager, D.: Comparison of Factor VIII levels after adrenalin in Hemophilia A and von Willebrand's disease. XIIth Congress of the World Federation of Hemophilia. *Thromb. Haemost.* 38(1):350, 1977.
2. **Ballard, J.O.** and Eyster, M.E.: Altered serum Factor VIII-related antigen (VIII:AGN)/von Willebrand factor (VIII:vWF) in hemophiliacs with inhibitors to Factor VIII procoagulant activity (VIII:C). Presented at the American Society of Hematology Annual Meeting, San Diego, California, December 5, 1977.
3. **Ballard, J.O.**: Acquired inhibitors of blood coagulation. Presented for Medical Grand Rounds, University of Louisiana at Shreveport, Louisiana, February 1, 1978 (invited presentation).
4. **Ballard, J.O.**: von Willebrand's Disease - an update. Pennsylvania Medical Technology Association Meeting, Pocono Manor, Pennsylvania, April 14, 1978 (invited presentation).
5. **Ballard, J.O.**: Complications of Factor VIII and cryoprecipitate therapy in hemophilia. Presented at The Annual Scientific Session, Pennsylvania Association

- of Blood Banks, Hershey, Pennsylvania, April 20, 1979 (invited presentation).
6. **Ballard, J.O.:** Factor VIII inhibitors in hemophilia. Presented at the West Virginia University Seminar on Hemophilia, Morgantown, West Virginia, October 16, 1982. (invited presentation).
 7. **Ballard, J.O.:** Acquired Hemophilia. Hematology Conference, Wilmington Medical Center, Wilmington, Delaware, November 11, 1982 (invited presentation).
 8. **Ballard, J.O.:** Congenital Afibrinogenemia -- clinical presentation and management. Presented at The Annual Scientific Session, Pennsylvania Association of Blood Banks, Hershey, Pennsylvania, April 29, 1983.
 9. **Ballard, J.O.:** Beta-lactam antibiotics and hemostatic failure. Presented at Miles Pharmaceutical Medical Seminar, West Haven, Connecticut, July 21, 1983 (invited presentation).
 10. **Ballard, J.O., Barnes, S.G., and Sattler, F.R.:** A randomized, controlled and double-blind comparison of the effects of mezlocillin, carbenicillin and placebo on hemostasis in normal volunteers. Presented at the 23rd Interscience Conference on Antimicrobial Agents and Chemotherapy, Las Vegas, Nevada, October 24-26, 1983.
 11. Eyster, M.E.: Transmission of AIDS by blood transfusion. Presented by **Dr. Ballard** in Dr. Eyster's absence to the Subcommittee on Immunohematology at the 25th Annual Meeting of the American Society of Hematology, San Francisco, California, December 4, 1983.
 12. **Ballard, J.O.:** George T. Harrell, Jr.—Oslerian, Scientist and Pioneering Medical Educator. Presented at the annual meeting of the American Osler Society, Pasadena, California, April 12, 2005.
 13. **Ballard, J.O.:** Love of Blood: Discovering the Cause and Treatment of Hemophilia. Presented at the annual meeting of the American Osler Society, Halifax, Nova Scotia, May 2-4, 2006.
 14. **Ballard, J.O.:** Medicine in Baltimore Before William Osler: The Legacy of John Beale Davidge. Presented at the annual meeting of the American Osler Society, Boston, MA, May 4-7, 2008.
 15. **Ballard, J.O.:** Dame Cicely Saunders and the Modern Hospice Movement. Presented at the annual meeting of the American Osler Society, Oxford, U.K., May

12, 2014.

* A full listing of local, national and international presentations on request.

Abstracts

1. Strauss, J.H., **Ballard, J.O.**, and Chamlian, D.: Intrauterine fetal death - the role of heparin therapy. 1977 Armed Forces Seminar in OB-GYN, New Orleans, Louisiana, October 9-13, 1977.
- *2 Eyster, M.E., **Ballard, J.O.**, Prager, D.: Comparison of Factor VIII levels after adrenalin in Hemophilia A and von Willebrand's disease (vWD). *Thromb. Haemost.* 38(1):350, 1977.
- *3. **Ballard, J.** and Eyster, M.E.: Altered serum Factor VIII-related antigen (VIII:AGN)/von Willebrand factor (VIII:vWF) in hemophiliacs with inhibitors to Factor VIII procoagulant activity (VIII:C). *Blood* 50(Suppl. 1):550, 1978.
4. Shaikh, B.S., Dougherty, J.B., Hamilton, R.W., **Ballard, J.O.**, Eyster, M.E., Patel, S., and Gevirtz, N.R.: Selective use of daunorubicin (DNR) in chemotherapy of acute non-lymphoblastic leukemia (ANLL). *ASCO Proceedings*, May 1979.
5. Shulman, G., **Ballard, J.**, and Eyster, M.E.: Changes in plasma haptoglobin and alpha₂ macroglobulin in hemophiliacs. *European Congress of Clinical Chemistry*, 3rd, Brighton, June 3-8, 1979. *Abstracts of Papers and Posters, Br. Med. Assoc.*, p. 68, 1979. (Suppl. to *Ann. Clin. Biochem.*).
6. **Ballard, J.O.**, Sanders, J.C., Gordon, R.A., and Eyster, M.E.: Soluble immune complexes (SIC) in the sera of transfused hemophiliacs. *Blood* 54(Suppl. 1):119a, 1979.
7. **Ballard, J.**, Kelly, G., Kukrika, M., Sanders, J., and Eyster, M.E.: Acquired dysfibrinogenemia in a hemophiliac with hepatoma: Correction of fibrinogen dysfunction following chemotherapy. *Blood* 54(Suppl. 1):269a, 1979.
8. Eyster, M.E., Gordon, R.A., and **Ballard, J.O.**: The bleeding time in hemophilia is longer than normal. *Int. Cong. Hematol.*, Montreal, Canada, August 1980.
9. **Ballard, J.O.**, Al-Mondhiry, H., Luderer, J.R., Locke, L., Gordon, R.A., and Eyster, M.E.: Bleeding disorder associated with thrombocytopenia due to defective

- response of platelets to thromboxane A₂. *Blood* 58(5)(Suppl. 1):187a, 1981.
10. Barnes, S.G., Sattler, F.R., and **Ballard, J.O.**: Improved survival after drainage of perirectal infections in patients with acute leukemia. Presented at the 22nd Interscience Conference on Antimicrobial Agents and Chemotherapy, Miami, Florida, October 4, 1982.
 11. Eyster, M.E., Parker, M.E., and **Ballard, J.O.**: Treatment of antithrombin III (AT-III) deficiency with danazol. *Blood* 60(5)(Suppl.1):211a, 1982.
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