

**ROBERTSON D. DAVENPORT, M. D.
ASSOCIATE PROFESSOR OF PATHOLOGY
DEPARTMENT OF PATHOLOGY**

**ANNUAL DEPARTMENTAL REPORT
1 JULY 2000 - 30 JUNE 2001**

I. CLINICAL ACTIVITIES:

- A. Associate Medical Director, Blood Bank and Transfusion Service.
- B. Cytopathology sign-out.

II. TEACHING ACTIVITIES:

- A. Introductory Course in Blood Banking/Transfusion Medicine for Pathology House Officers.
- B. Daily teaching rounds for Pathology House Officers assigned to the Blood Bank.
- C. Current Topics in Blood Banking Conference, Towsley Center for Continuing Medical Education.
- D. M2 Hematology sequence, Blood Transfusion.
- E. Clinical Pathology Grand Rounds, Adverse Effects of Transfusion
- F. Pathology Research Seminar, Pathophysiology of Transfusion Reactions.

III. RESEARCH ACTIVITIES:

SPONSORED SUPPORT:

- A. Principal Investigator, "Evaluation of Solvent/Detergent-Treated Plasma, Isoagglutinin Depleted, in Normal Healthy Volunteers", V. I Technologies, Inc.

PROJECTS UNDER STUDY:

- A. Pathophysiology of transfusion reactions.
- B. Transfusion risk perception.
- C. Safety of Isoagglutinin-depleted plasma.

IV. ADMINISTRATIVE ACTIVITIES:

MEDICAL SCHOOL/HOSPITAL:

- A. Transfusion Committee.
- B. Chair, Blood Transfusion Process Improvement Team.

V. OTHER RELEVANT ACTIVITIES:

- A. Program Committee, Michigan Association of Blood Banks.
- B. Scientific Section Coordinating Committee, American Association of Blood Banks.
- C. Annual Meeting Program Planning Committee, American Association of Blood Banks.
- D. Medical Advisory Committee, American Red Cross Southeastern Michigan Region.
- E. Editorial Board, Transfusion.

VI. PUBLICATIONS:

ARTICLES ACCEPTED FOR PUBLICATION IN REFEREED JOURNALS:

1. Davenport RD. Nontransfusion hazards of autologous blood donation [letter]. *Transfusion* 41:152-3, 2001.
2. Popovsky MA, Davenport RD. Transfusion-related Acute Lung Injury: Femme Fatale? [editorial] *Transfusion* 41:312-5, 2001
3. Davenport RD. Apheresis Treatment of Recurrent Focal Segmental Glomerulosclerosis after Kidney Transplantation: A Re-analysis of Published Case-Reports and Case-Series. *J Clin Apher*, in press.

ARTICLES SUBMITTED FOR PUBLICATION IN REFEREED JOURNALS:

1. Fomovskaia G, Fomovaky M, Davenport R, Smith M. FTA-membrane for DNA detection in human blood cells. Submitted to *Clinical Chemistry*.

ABSTRACTS, AND PRESENTED PAPERS:

1. Fomovskaia G, Haddock T, Kubish G, Penezina O, Davenport R. Nageotte chamber method for very low number of leukocytes counting validated for stored red blood cells. *Vox Sang* 2000;78(suppl 1):P501.
2. Judd WJ, Davenport RD, Downs T, Chin S, Hammond D, Pehta JC. In vitro analysis of isoagglutinin depleted ("universal") solvent detergent treated plasma. *Vox Sang* 2000;78(suppl 1):O097.
3. Davenport R, Geohas G, Cohen S, Beach K, Lucchesi K, Pehta J. Phase IV study of PLAS+SD®: hepatitis A (HAV) and parvovirus B19 (B19) safety results. *Blood* 2000; 96:451a

CHAPTERS IN BOOKS:

1. Davenport RD: Hemolytic reactions. In: Popovsky MD (ed.): *Transfusion Reactions* 2nd ed. AABB Press, Bethesda, MD (in press).
2. Davenport, RD: Hemolytic Transfusion Reaction. In: Simon TL, Dzik WH, Snyder EL, Stowell CP, Strauss RG (eds.): *Rossi's Principles of Transfusion Medicine* 3rd ed. Lippincott Williams and Wilkins, Philadelphia, PA, (in press).
3. Davenport RD: Blood Banking. In: Schmaier AH (ed.): *Hematology for the Medical Student*. Lippincott Williams and Wilkins, Philadelphia, PA, (in press).
4. Davenport RD: Transfusion Therapy In: Schmaier AH (ed.): *Hematology for the Medical Student*. Lippincott Williams and Wilkins, Philadelphia, PA, (in press).