

Sarah Barnhard, M.D.

Philosophy of Care

Dr. Barnhard strives to treat each patient as a unique individual and uses a personalized medicine approach.

Clinical Interests

As a sub-specialty pathologist in transfusion services, Dr. Barnhard devotes her clinical time to seeing both inpatients and outpatients in apheresis services. These may be patients requiring therapeutic intervention or requiring peripheral blood collection of human cells, tissues and cellular and tissue-based products (HCT/Ps). She also oversees blood bank functions and performs consultative services from the transfusion services and special coagulation laboratory sections.
She teaches medical students, residents, and fellows in all aspects of transfusion medicine best practices and is highly integrated with the hospital quality and safety personnel working to optimize blood transfusion practices health-system wide.
She has a passionate interest in integrating health informatics with diagnostic testing and clinical care to improve system efficiency and data accessibility.

Research/Academic Interests

Dr. Barnhard's research and academic interest include therapeutic apheresis, international transfusion medicine and blood utilization.

Title

Medical Director of Transfusion Services
Associate Professor, Department of Pathology and Laboratory Medicine

Specialty

Pathology - Anatomic, Pathology - Clinical, Blood Banking/Transfusion Medicine

Department

Pathology and Laboratory Medicine

Division

Apheresis

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Education

M.D., Weill-Cornell Medical College, New York NY 2010
B.S., Grand Valley State University, Allendale MI 2005

Residency

Anatomic and Clinical Pathology, UC Davis Medical Center, Sacramento CA 2010-2014

Fellowships

Blood Banking/Transfusion Medicine, UC Davis Medical Center, Sacramento CA 2014-2015

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Board Certifications

American Board of Pathology, Anatomic and Clinical Pathology
American Board of Pathology, Blood Banking/Transfusion Medicine

Professional Memberships

American Society of Apheresis
American Society of Clinical Pathology
Association for the Advancement of Blood and Biotherapies
College of American Pathologists
Society for the Advancement of Blood Management

Honors and Awards

Barnhard SE. Diagnostic Difficulties in Neonatal Thrombocytopenia. Invited speaker, CBBS/SCABB Annual Meeting, Las Vegas NV, 2015

Select Recent Publications

Korley FK, Durkalski-Mauldin V, Yeatts SD, Schulman K, Davenport RD, Dumont LJ, El Kassar N, Foster LD, Hah JM, Jaiswal S, Kaplan A, Lowell E, McDyer JF, Quinn J, Triulzi DJ, Van Huysen C, Stevenson VLW, Yadav K, Jones CW, Kea B, Burnett A, Reynolds JC, Greineder CF, Haas NL, Beiser DG, Silbergleit R, Barsan W, Callaway CW; SIREN-C3PO Investigators. Early Convalescent Plasma for High-Risk Outpatients with Covid-19. N Engl J Med. 2021 Nov 18;385(21):1951-1960. doi:10.1056/NEJMoa2103784. Epub 2021 Aug 18. PMID:34407339. (SIREN-C3PO Investigator)

Barnhard S, Klapper E, Kopko P, Tran MH, Ziman A; University of California Transfusion Medicine Physicians. Too lean: Time to build back true resiliency in the national blood supply. Transfusion. 2021 Sep;61(9):2768-2771. doi:10.1111/trf.16614. Epub 2021 Jul 31. PMID: 34331464.

Nishijima DK, VanBuren J, Hewes HA, Myers SR, Stanley RM, Adelson PD, Barnhard SE, Bobinski M, Ghetti S, Holmes JF, Roberts I, Schalick WO 3rd, Tran NK, Tzimenatos LS, Michael Dean J, Kuppermann N; TIC-TOC Collaborators of the Pediatric Emergency Care Applied Research Network. Traumatic injury clinical trial evaluating tranexamic acid in children (TIC-TOC): study protocol for a pilot randomized controlled trial. Trials. 2018 Oct 30;19(1):593. doi:10.1186 /s13063-018-2974-z. PMID:30376893.

Barnhard SE, Fazli N, Dwyre D, Fernando L, Parsons JC. Evaluation of Oral Calcium Carbonate Prophylaxis for Therapeutic Plasma Exchange during a Calcium Gluconate Shortage. Transfusion. 2013 Sep 11;53(S2):268A.

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Barnhard SE, Pai A, Chew HK, Song JY. Richter's Syndrome with Aberrant CD2 and CD4 Expression. J Clin Oncol. 2012 Sept 10;30(26):e243-e245.

Barnhard SE, Borys D. Chondromyxoid Fibroma: A New Translocation and Review of the Literature. Arch Pathol Lab Med. 2012 Sept;136(9):1128.

Barnhard SE, Gosselin B, Chen M. Acquired Type 2A Von Willebrand's Disease Mimicking the Inherited Coagulation Disorder: A Diagnostic Challenge. Arch Pathol Lab Med. 2011 Sep;135(9): 1156-1157.

Steenport M, Khan KM, Du B, Barnhard SE, Dannenberg AJ, Falcone DJ. Matrix metalloproteinase (MMP) -1 and MMP-3 induce macrophage MMP-9: evidence for the role of TNF-alpha and cyclooxygenase-2. J Immunol. 2009 Dec 15;183(12):8119-27.

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