

A B C N E W S L E T T E R

URRENT EVENTS AND TRENDS IN BLOOD SERVICES

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2022 #44

December 16, 2022

Please Note: The *ABC Newsletter* will not be published on Dec. 23rd and Dec. 30th. We will resume regular publication on Jan 6th. Thank you for your continued interest.



Review & Update of Transfusion-Transmitted Arboviruses

Arthropod-borne viruses (arboviruses) are transmitted to humans by bites from infected arthropods such as mosquitoes or ticks. Researchers in *PLOS Neglected Tropical Diseases* performed a systematic literature review of the "published cases of arbovirus transmission through the transfusion of blood or blood components throughout the history of transfusion [as they sought] to study their main clinical and epidemiological characteristics." The review has a secondary objective to "identify arboviruses that can be a threat to transfusion safety through other nonvector, non-blood transfusion related direct routes of transmission such as: organ and/or hematopoietic stem cell transplantation, mother-to-child transmission, direct blood contact, or by their prevalence in blood donors."

The researchers included scientific studies in the review with "report[ed] cases of arboviruses transmitted through transfusion of blood or blood components. Publications that collected cases of transmission in non-humans were excluded, as were publications that did not detail the specific type of arbovirus transmitted through the transfusion of blood or blood components." The authors explained that their record search "strategy yielded a total of 5,158 records. After eliminating duplicates, the authors screened the title and abstract of 2,918 records and retrieved the full text of 199. [They] selected any records that suggest human transmission of arboviruses through blood transfusion or studies that display information that could facilitate the identification of other publications that report cases of transfusional transmission of arboviruses through transfusion of blood or blood or blood or blood or blood components were included."

INSIDE:

5
CALENDAR6
EQUIPMENT AVAILABLE
6
POSITIONS6



<u>Review & Update of Transfusion-Transmitted Arboviruses</u> (continued from page 1)

The review found that of the 29 included studies, 11 "described transfusion-transmitted West Nile virus; nine, dengue virus; two, Zika virus; one, Japanese encephalitis virus; one, St. Louis encephalitis virus; one, tickborne encephalitis virus; one, Powassan virus; one, yellow fever virus; one, Colorado tick fever virus; and one, Ross River fever virus. Interobserver concordance was very high ($\kappa = 0.97$)...Included studies described 74 cases of suspected transfusion transmission of 10 arboviruses. Most cases involved transfusion transmission of West Nile virus (N = 42, 56.8 percent; 95 percent CI: 45.5–68.0 percent) and dengue virus (N = 18, 24.3 percent; 95 percent CI: 14.5–34.1 percent). Remaining cases described transfusion transmission of Zika virus, yellow fever vaccine virus, tick-borne encephalitis virus, Japanese encephalitis virus, Powassan virus, St. Louis encephalitis virus, Ross River virus, and Colorado tick fever virus. The U.S. was the country with the most reported cases of transfusion transmission (N = 42; 62 percent; 95 percent CI: 51.1–73.2 percent). The main type of blood component implicated was red blood cells (N = 35, 47.3 percent; 95 percent CI: 35.9–58.7 percent). Over half of the reported transfusion-transmitted arbovirus cases, selected for the overview, were described in recipients classified as immunocompromised (N = 40, 54.1percent; 95 percent CI: 42.7-65.5 percent). Arboviral morbidity and mortality was reported in 63.5 percent (N = 47; 95 percent CI: 52.5-74.5 percent) and 18.9 percent (N = 14; 95 percent; CI: 10.0-27.8 percent) of cases described, respectively. Recipient mortality was mostly reported for the West Nile virus (N = 13; 92.9 percent; 95 percent CI: 79.4–100 percent) and 78.6 percent (N = 13; 95 percent; CI: 57.1–100 percent)...In addition to the 10 arboviruses involved in reported cases of transfusion-transmitted infections, 18 additional arboviruses were identified with a potential threat to transfusion safety by means of organ and/or hematopoietic stem cell transplantation, mother-to-child transmission, direct blood contact and/or prevalence in blood donors."

The authors concluded that, "significant number of arboviruses were identified with a potential threat to future transfusion safety. In recent years a global increase was seen in the number of epidemic outbreaks of various arboviruses...[I]t is important that each system or organization responsible for transfusion safety has adequate surveillance systems, contingency plans, and protocols in place to guarantee transfusion safety. The different regulatory agencies, public health bodies, medical communities, and the medical industry should collaborate closely and coordinate efforts to provide a rapid and effective response to any threat to transfusion safety."

Citation: Giménez-Richarte, A., Ortiz de Salazar, M.I., Giménez-Richarte, M-P. *et al.* <u>Transfusion-trans-</u> <u>mitted arboviruses</u>: <u>Update and systematic review</u>. *PLOS Neglected Tropical Diseases*. 2022.

Justine Coffey Joins ABC Team



ABC Newsletter

America's Blood Centers (ABC) recently announced that Justine Coffey, JD, LLM has been named the director of Regulatory Affairs and Public Policy. In this role, she will work to advance the ABC regulatory agenda with the U.S. Food and Drug Administration, other federal agencies, and Congress. Ms. Coffey brings more than 15 years of health care policy and government relations experience to ABC in both the not-for-profit and corporate environments. She has worked extensively throughout her career with federal agencies, health care organizations, and coalitions involved with health-related programs. Ms. Coffey

most recently served as the senior director of Government Relations at Kellen Company. Prior to that, she held the role of principal at a health care-focused consulting firm, following her time working at the American Pharmacists Association (APhA), the American Society of Health System Pharmacists (ASHP), and Association Management Strategies, Inc. Ms. Coffey received her Juris Doctor degree from the American University Washington College of Law, and her Master of Laws degree from the Georgetown University Law Center. Her first day at ABC was December 12th and she can be reached at jcoffey@americasblood.org.



Héma-Québec Implements Individual Risk-based Donor Screening Criteria

In September, America's Blood Centers member Héma-Québec announced an upcoming policy shift to a gender-neutral donor history questionairre to make "blood and platelet donations more inclusive." As of December 4th, the organization has implemented the new policy according to *Global News*. The change ended the previous three-month blanket blood donor deferral period for all sexually active gay and bisexual men and instead "[q]ualification will be one on an individual basis to identify behaviors that are known to be at higher risk for sexually transmitted and blood-borne infections, such as HIV, which causes AIDS. The approach will be non-gendered, that is to say that each person will answer the same questions, both men and women, regardless of sexual orientation or gender identity," said Marc Germain, MD, PhD, FRCP, vice-president of Medical Affairs and Innovation at Héma-Québec, according to Global News. Health Canada, the country's regulatory body, who authorized the submission for a policy change previously stated in a news release "[a]s the regulator responsible for overseeing the safety of Canada's blood system, Health Canada reviewed the submission to make sure the changes are based on robust scientific evidence and maintain Canada's high standards for blood safety. The safety of donor blood recipients remains Health Canada's number one priority...[The] authorization builds on Canada's progress toward a more inclusive blood donation system nationwide. Health Canada has authorized several changes to the donor deferral period for men who have sex with men over the last decade...These evidence-based reductions to the original lifetime restriction have not resulted in any increase in HIV-positive blood donations."

(Sources: *Global News*, <u>Héma-Québec now accepts blood donations from men who have sex with other men</u>, 12/4/22; Héma-Québec <u>Statement</u>, 9/6//22) •



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ABC advocates for and advances policies that promote the role of independent blood centers in providing life-saving blood products and recognize the continuous need for a safe and robust blood supply. ABC exists to advocate for laws and regulations recognizing the essential role that independent blood centers play in the health care system; promote partnerships, policies and programs that increase awareness about the need for blood donation; and serve as a thought-leader in the advancement of evidence-based medical and scientific solutions related to health and safety.

America's Blood Centers

Chief Executive Officer: Kate Fry Chief Medical Officer: Rita Reik Editor: Mack Benton Subscriptions Manager: Leslie Maundy Annual Subscription Rate: \$390

Send subscription queries to <u>memberservices@americasblood.org</u> America's Blood Centers 1717 K St. NW, Suite 900, Washington, DC 20006 Phone: (202) 393-5725 Send news tips to <u>newsletter@americasblood.org</u>.

ABC Newsletter



RESEARCH IN BRIEF

ABC Newsletter

Long-Term Efficacy in Blood Transfusions and Complications after Splenectomy in Thalassemia Patients. A Transfusion and Apheresis Science paper studied "the long-term efficacy of splenectomies." The authors explained that "[t]his was a retrospective study of 50 patients with transfusion-dependent thalassemia (TDT) who had undergone a splenectomy and 20 control[s]...The primary outcome was the long-term efficacy of splenectomy as determined by a reduction in the requirement of receiving red blood cell (RBC) transfusions...The secondary outcomes were to compare the hematologic parameters one year before, and after splenectomy, and any complications among the TDT patients...The median age was 20.5 years (IQR: 18–28)... The median age at splenectomy was ten years (IQR: 7–13)... For the efficacy of splenectomy, 27 (54 percent) patients converted from TDT to non-transfusion-dependent thalassemia (NTDT)." The authors noted that "[t]he type of thalassemia and age were determined to be the only significant factors...Hemoglobin "(Hb) H and Hb H with Constant Spring (CS) disease had a higher response rate (100 percent) when compared with beta-thalassemia/Hb E (58.3 percent) and homozygous beta-thalassemia (23.5 percent) (pvalue = 0.034). The older age (at > 10 years) at splenectomy was associated with a higher response (76.1 percent) when compared to a younger age (37.9 percent) (p-value = 0.021)." The study found that "[p]retransfusion Hb levels were significantly increased after receiving a splenectomy at one year and five years when compared to the baseline values (8.3 ± 1.7 vs 8.0 ± 1.8 vs 6.1 ± 1.2 g/dL, respectively) (p-value < 0.001)...Platelet count was also significantly increased in patients after receiving a splenectomy at one year and five years when compared to the baseline values (692,685 (541,881-885,457) vs 640,390 (563,290-728,042) vs. 234,307 (194,529-282,218) per cu.mm3, respectively) (p-value < 0.001)...In the splenectomy group, 12 of 44 patients (27.3 percent) experienced pulmonary hypertension as compared to three of 20 (15 percent) in the non-splenectomy group (p-value = 0.127)...Four patients of the splenectomy group (9.1 percent) had experienced thromboembolic events, [however, none,] were observed in the non-splenectomy group (p-value = 0.395)...Splenectomies reduced RBC transfusion requirements in a selected group of patients with TDT." The authors concluded that "the indication for administering a splenectomy should be determined for each individual patient through a risk-benefit analysis."

Citation: Osataphan, N., Dumnil, S., Tantiworawit, A., Punnachet, T., Hantrakun, N., Piriyakhuntorn, P., *et al.* <u>The long-term efficacy in blood transfusions, hematologic parameter changes, and complications after splenectomy in patients with transfusion-dependent thalassemia</u>. *Transfus Apher Sci.* 2022.

Contributed by Richard Gammon, MD, Medical Director at OneBlood 🌢



ABC Calendar of Events

ABC offers a variety of meetings, workshops and virtual opportunities for education and networking as well as participation in ABC business. The <u>calendar of events</u> includes annual and summer meetings, board meetings, workshops, and webinars, and details will be updated as confirmed. We look forward to your support and participation!



The programs and services described in the Inside ABC section are available to ABC member blood centers and their staff only, unless otherwise specified.

Executive Compensation Survey Report Available

America's Blood Centers' (ABC) annual Executive Compensation Survey report was published this week. The survey is a benchmarking tool for executive leadership and human resources professionals at ABC member blood centers that features aggregate data on salaries and benefits for C-suite leadership. As with all ABC surveys, data is strictly confidential and anonymized. Members who participated in the survey should have received the link to view the results via email this week. If you have not received your copy, contact <u>us</u>. Information on all ABC benchmarking surveys can be found <u>here</u>.

Television & Radio Versions of "Career in Blood" Recruitment Video Available

Television and radio versions of the "Career in Blood" recruitment video are now <u>available</u> to members in the form of 30 and 60 second ads for both mediums. Last month, America's Blood Centers (ABC) announced the development of the "<u>Career in Blood</u>" recruitment video to assist member blood centers in attracting a diverse pool of jobseekers in the face of workplace shortages impacting industries across the country. This member-exclusive customizable resource is available in both English and Spanish with male and female narration and can be used on websites and social media channels. Whether jobseekers are hoping to transfer their existing skills or are looking for an entry level position with on-the-job training, an opportunity is available at a community blood center. The video highlights how the blood center team includes phlebotomists, communications and marketing staff, laboratory professionals, and more, all focused on a single mission: the lifesaving power of blood donation. ABC continues to seek ideas for similar videos that would assist blood centers in their hiring. Please contact ABC Director of Strategic Communications and National Partnerships Jeff Gohringer with questions or concepts that would help you attract and retain staff.

(Source: ABC Announcement, 12/9/22) •

WORD IN WASHINGTON

The U.S. Department of Health and Human Services' (HHS) Administration for Strategic Preparedness and Response (ASPR) has <u>published</u> its strategic plan for 2022-26. The goals of the plan include:

- prepare for future public health emergencies and disasters;
- manage the Federal response to and recovery from the public emergencies and other disasters;
- improve and leverage partnerships with healthcare and public health stakeholders; and
- ensure workforce readiness through development of innovative workplace practices.

The agency explained at the conclusion of the plan that "[a]s ASPR completes its transition into an Operating Division and the nation emerges from the acute phase of the COVID-19 pandemic, we will look for opportunities to strengthen ASPR's preparedness, response, partnership, and workforce development capabilities as we look toward the future. This five-year strategic plan will help to guide the organization as it

WORD IN WASHINGTON (continued from page 5)

continues to grow. While we do not know what the next public health emergency or disaster will be, we do know that ASPR's response to it is assured."

(Source: ASPR <u>Strategic Plan</u>, 12/13/22)

CALENDAR

Note to subscribers: Submissions for a free listing in this calendar (published weekly) are welcome. Send information to <u>newsletter@americasblood.org</u>. (For a more detailed announcement in the weekly "Meetings" section of the newsletter, please include program information.)

2023

Mar. 6-8. ABC Annual Meeting, Washington, D.C. Registration is open. Additional information is available here.

April. 24-28. ABC Blood Advocacy Week. More information coming soon.

May 9-11. 2023 ADRP Conference, Charlotte, N.C. Call for abstracts, hotel information, and more are available here.

May 10-11. 29th IPFA/ Paul-Ehrlich-Institut[e] (PEI) International Workshop on Surveillance and Screening of Blood-borne Pathogens, Bologna, Italy. More information available <u>here</u>.

Sept. 17-20. American Association of Tissue Banks Annual Meeting, National Harbor, Md. More information available <u>here</u>.

Oct. 9-11. Advanced Medical Technology Association (AdvaMed) The MedTech Conference, Anaheim, Calif. More information available <u>here</u>.

Oct. 14-17. AABB Annual Meeting, Nashville, Tenn. More information available here.

EQUIPMENT AVAILABLE

For Sale. 2023 All American Blue Bird Bus: 6.7L Diesel Engine with 6 Speed Allison Transmission/Air Breaks/Air Suspension/Wheelbase: 232"/100 Gallon Fuel Tank. This bus is ready for you to convert into your blood mobile Price: \$155k. **IMMEDIATE POSSESSION** **location: ROCKFORD, IL** Please contact Gary at (815) 961-2307 or gperry@rrvbc.org.

CLASSIFIED ADVERTISING

Classified advertisements, including notices of positions available and wanted, are published free of charge for a maximum of three weeks per position per calendar year for ABC institutional members. There are charges for non-members: \$139 per placement for *ABC Newsletter* subscribers and \$279 for non-subscribers. A six (6) percent processing fee will be applied to all credit card payments. Notices ordinarily are limited to 150 words. To place an ad, e-mail: newsletter@americasblood.org

POSITIONS

Chief Medical Officer. America's Blood Centers (ABC), North America's largest network of communitybased, independent blood programs, is seeking a **Chief Medical Officer**. Reporting to the Chief Executive Officer (CEO), the Chief Medical Officer (CMO) is responsible for implementing strategies and tactics, consistent with the best scientific and medical evidence and regulatory requirements, that support America's Blood Centers' (ABC) mission, maintain our values, and realize our vision. The CMO works as part of the ABC Senior Executive Team (SET) to communicate ABC's issues to members, regulators, legislators, the media, and external groups and mobilizes ABC members and professional staff to achieve the strategic goals of the organization. Primary Responsibilities: Represent independent nonprofit community blood centers on scientific, medical, and technical matters as well as donor and patient safety

(continued on page 7)

POSITIONS (continued from page 6)

concerns before federal agencies, industry and other business partners, allied domestic and international organizations, scientific societies, the media, and the public. Education & Experience: Medical Degree required. U.S. medical license required with board certification in a medical specialty. Board certification in pathology, transfusion medicine, hematology, or infectious disease preferred. Ten or more years' experience related to blood banking or transfusion medicine. Three or more years' experience with healthcare and/or blood banking issues at a national level via committee work, offices held, or other appropriate experience. Administrative experience in a leadership role preferred. Work Environment and Conditions: This position is a consultant with an expected 40-60 hours per month. Additional time may be required (and paid) for travel. The CMO office may be located anywhere in the United States with travel to the ABC Washington, DC office as required and domestic travel on behalf of ABC to ABC meetings, to interact with government decision makers, and to liaison with external organizations as assigned. Click here to view the full job description. Interested applicants should send a cover letter and resume to careers@americasblood.org.

Director of Finance. LifeSouth Community Blood Centers is seeking an experienced CPA as our Director of Finance. The Director is responsible for ensuring the stability of LifeSouth's finances through planning, directing, and controlling financial functions, including establishing appropriate control environments, preparing financial reports for management, financial analysis, overseeing development and implementation of effective financial and accounting systems. This position oversees all staff in the Accounting and Purchasing departments. Join our team and help us continue our dedication to making sure the blood is there when you or your family is in need. Visit our <u>careers page</u> to learn more about us and apply.

Medical Technologist – **2nd Shift or 3rd Shift.** LifeSouth Community Blood Centers is seeking Medical Technologists to perform specialized lab testing for cellular therapies and lab testing for the quality control of cellular therapies and blood components. Additional responsibilities include performing specialized lab testing for RBC and HPA genotyping, HLA typing and HLA and HPA antibody identification, perform DNA extraction and adhere to clinical laboratory's quality control policies. The individual will have a bachelor's in Clinical Lab, Chemical or Biological Science and a current Florida Medical Technologist license. Join our team and help us continue our dedication to making sure the blood is there when you or your family is in need. Visit our <u>careers</u> <u>page</u> to learn more about us and apply.

Compensation and Benefits Manager. LifeSouth Community Blood Centers is seeking an experienced



Compensation and Benefits Manager to join our Human Resources team at our headquarters in Gainesville, FL. This position is responsible for facilitating the organization's compensation and benefits programs as well as providing strategic leadership for its administration, including enrollment, maintenance, and compliance with regulations. Join our team and help us continue our dedication to making sure the blood is there when you or your family is in need. Visit our <u>careers page</u> to learn more about us and apply.

Laboratory Technologist. LifeSouth Community Blood Centers is seeking a skilled Laboratory Technologist in our immunohematology Reference Laboratory in Atlanta, Georgia. The position is a full-time evening shift with the option of working 4-10 hour shifts or 5-8 hour shifts per week. The candidate for this position must be able to work independently, communicate effectively and can perform and interpret clinical laboratory tests for providing blood for a patient in need of a transfusion. This position requires extensive understanding of blood group serology, compatibility testing and selection of blood for a patient in need of a transfusion. This position requires extensive understanding of blood group serology, compatibility testing, and selection of blood for patients with complex serological problems. Visit our careers page to learn more about us and apply.

Public Relations Manager (Oklahoma City, Okla.). Oklahoma Blood Institute is seeking a Public Relations Manager to direct earned media efforts for the organization, to promote and increase lifesaving blood donation. The PR Manager, who will be reporting to the Associate Vice President of Recruitment Operations, will be responsible for strategy, execution, and evaluation of public relations campaigns, to help tell the organization's story to key audiences. Qualifications: Bachelor's degree required, five plus years' experience in public relations, media or related field, some travel required, must excel in both narrative and journalistic style with a firm knowledge of AP style, ability to showcase the organizations mission and work, and must understand media outlet habits and channel-specific needs. Salary Range: Competitive salary with excellent benefits package including health, dental, vision, and life insurance, long term disability, 401(k), paid time off, annual tuition reimbursement, generous retention bonus', and holiday pay. Please apply on our website only at http://obi.org/careers/

Medical & Laboratory Director – West Division. Vitalant is currently seeking a Medical & Laboratory Director to provide oversight for the patients, donors, staff, and healthcare professionals in our West Division (CA and WA). Routine duties include blood center activities such as component manufacturing, product management, laboratory testing, donor suitability and counseling, education, & consultation and clinical sersuch oversight vices activities as of an immunohematology reference laboratory, transfusion services, therapeutic apheresis, and cellular therapy collections (e.g., Dendreon). Additional areas of specialization, such as cell sourcing and cellular therapy/cord blood, may be assigned as needed. This position works directly with the Corporate and Division teams to promote Vitalant's mission, vision, quality policy, and strategic initiatives to position Vitalant as a Center of Transfusion Medicine Excellence. Modeling high ethical, customer care, and confidentiality standards always, this person serves a vital role for assuring compliance with current policies, programs, and directives and providing medical support for the Blood Services Division and Vitalant Clinical Services. This role can work remotely anywhere within the West Division (California or Washington) with 20 percent travel to visit internal and external partners. How to apply: https://bloodsystems.taleo.net/careersection/jobdetail.ftl?job=223087&1 ang=en

Director of Human Resources (Shreveport, LA). LifeShare Blood Center is seeking an experienced human resources professional as our Director of Human Resources. The Director serves as an advisor and strategic business partner to operational units, ensuring alignment of departmental goals and processes with operational and business objectives. Reporting to the Chief Administrative Officer, the Director will develop and administer Company-wide policies and practices to promote positive employee engagement, facilitate business operations, manage risk exposures, and lead the human resources team in areas of recruitment, onboarding, employee relations, total rewards, performance management and employee health and safety. Please join us in our important mission to connect blood donors and the lives they impact! LifeShare offers a competitive beginning salary, commensurate with experience and a generous benefits package. Visit our Careers Page to learn more and apply.

Director of Blood Processing (Shreveport, LA). LifeShare Blood Center is seeking an experienced **Director of Blood Processing** to provide leadership and direction to our blood component processing and distribution teams. The Director will develop and nurture relationships with healthcare facilities and direct effective strategies to manage blood product inventory levels, quality testing and distribution activities to meet hospital customer needs. Please join us in our important mission to connect blood donors and the lives they impact! LifeShare offers a competitive beginning salary, commensurate with experience and a generous benefits package. Please visit our <u>Careers Page</u> to learn more and apply.

Manager of Donor Resources. The Blood Connection is seeking a Manager of Donor Resources in Charlotte, N.C. and Greenville, SC to provide oversight to our recruitment teams within these divisions. This position directs Account Managers and Business Development Representatives to strategically manage our existing portfolio of blood donor groups and new business to reach collection targets. The Manager of Donor Resources monitors progress to goal proactively and effectively coaches and manages the team to success. The ideal candidate will have a strong background in territory management and team building. Candidates must possess excellent interpersonal, analytical, and strategic planning abilities. We offer an exceptional benefits package including a generous 401k match, 30 days PTO, company bonuses, tuition reimbursement, cell phone stipend, and yearly increases. Join one of the fastest growing blood centers in the country and help make an impact in your community today! How to apply: Manager of Donor Resources Application

Laboratory Tech I or II -- 2nd shift (Rhode Island Blood Center). This position is responsible for the execution of testing and quality control (QC) procedures following Standard Operating Procedures, as assigned. Testing includes routine donor testing in large batches, as well as component qualifications. This position is responsible for proper disposition of components based on test or QC results. This position also works with the Supervisor of Client Testing to ensure appropriate test menus are completed as ordered and reported. Essential Functions: High complexity testing of donor blood samples with proper technique and documentation according to the procedures of the Rhode Island Blood Center, including computer and physical guarantine. Carrying out all procedures in a reasonable time frame as determined by supervisory personnel. Labeling of blood components including proper checking and documentation according to the procedures of the Rhode Island Blood Center Laboratory. This position is a Second Shift position. Five 8hour shifts or Four 10-hour shifts. Qualifications: MLT, BB, MT or equivalent, or SBB (ASCP) certification. Must meet requirements for Testing Personnel for a Highly Complex Laboratory as described in the Clinical Laboratory Improvement Act of 1988. Data entry skills preferred. Click here to view the full job description and apply.