**Speakers: Current Being Verified.**

Intended Audience: Physicians, Technologists, Managers/Supervisors

Teaching Level: Intermediate to Advanced

**Date:** TBD

**Timing:** 4-90 min sessions, include over lunch break= Open House for SBB Programs

 Close session with last session: 90 min, ***Test Your Blood Bank Knowledge 2025***

 ***TYBBK 2025 submitted for committee review and approval.***

**Objectives:**

* Explain the American Society of Clinical Pathologist (ASCP) SBB and BB exam requirements.
* Identify and explain the topics outlined on the ASCP BB/SBB Exam Content Outline
* Define and relate pertinent information from the ASCP Content Outline that will be on these exams to aid in preparing for the BB or SBB exam.
* Discover helpful hints for studying for and taking these exams.

**Event Description:**

The program attendee will attain a concise and targeted review of blood banking and transfusion medicine. All the information needed to pass the SBB or BB certification exams are briefly reviewed in this program. This program is comprised of 4 sessions which provide the attendee with the structure, information, and encouragement to tackle these exams. This program will provide a plan for those preparing for the BB or SBB certification exam. Each session will highlight specific content areas of the exams highlighting where to find information required for successful completion of these exams. Whether a refresher, a review or new learning, the program attendee will benefit from the comprehensive summary of blood banking and transfusion medicine provided by this course.

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| # | Course Title | Speakers |
| 1 | SBB/BB Exam Review 1: Immunohematology Building Blocks |  |
| 2 | SBB/BB Exam Review 2: Immunohematology Methods and Blood Groups  |  |
| 3 | SBB/BB Exam Review 3: Transfusion Medicine Physiology and Pathophysiology |  |
| 4 | SBB/BB Exam Review 4: Donor Collection, Blood Products, Laboratory Management and Blood Bank Quality  |  |

Objective Review for Each Section: Event description should be the same for each one.

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| # | Course Title | Speakers | Objectives |
| 1 | SBB/BB Exam Review 1: Immunohematology Building Blocks90 min |  | * Introduce the requirements for an individual to take the SBB and BB exam.
* Describe immune response and how the cells of the immune system work synergistically.
* Identify the role of complement in transfusion medicine.
* Analyze the critical lab math calculations necessary to be competent with for the preparation for the SBB or BB exam
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| 2 | SBB/BB Exam Review 2: Immunohematology Methods and Blood Groups 90 min |  | * Apply specific serologic techniques for blood bank problem solving.
* Interpret the results of the immunohematology methods defined.
* Outline blood groups by system, antigen, frequency, function, and unique properties.
* Identify the blood groups which are considered clinically significant and clinically insignificant
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| 3 | SBB/BB Exam Review 3: Transfusion Medicine Physiology and Pathophysiology90 min |  | * Classify transfusion complications.
* Determine the probable cause of a transfusion complication given the serologic testing results.
* Explore and define prenatal, neonatal and HDFN.
* Explain the details of the coagulation cascade and explore its function in transfusion medicine.
* Evaluate signs, symptoms and testing results to aid in interpretation of coagulation disorders, anemia, thrombocytopenia as well as other disease states which often require transfusion support.
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| 4 | SBB/BB Exam Review 4: Donor Collection, Blood Products, Laboratory Management and Blood Bank Quality 90 min |  | * Recognize the steps in collection of whole blood by manual and apheresis methods.
* Classify blood products by manufacturing process, function, and transfusion practice.
* Breakdown the required donor testing for the labeling of blood components.
* Identify the safety, quality, and instrumentation lab practices for the blood bank.
* Outline laboratory administration basics including financial, lab operations, personnel, leadership, quality management and tissue management.
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