



Marshfield Labs is pleased to bring you the Outreach Lecture Series for 2024.

These 50-minute recorded lectures, presented by the talented and knowledgeable technical specialists from Marshfield Labs, are free and available on demand until December 31st, 2024. Please use the hyperlink title of the lecture to view the recording of the presentation.

Target Audience

This activity is intended for Marshfield Labs staff and outreach clients.

Contact Hour Statement for Allied Health Professionals



Marshfield Clinic Health System, Inc. is approved as a provider of continuing health education by the Wisconsin Society for Healthcare Education and Training, (WISHET). Marshfield Clinic Health System Inc. designates this activity for up to 8.0 contact hours (0.8 CEUs) of continuing education for allied health professionals.

Claiming Credit/Evaluation

To receive continuing education credit, you must view the educational activity, take the quiz, and complete the program evaluation. The quiz and evaluation can be completed by clicking the “claim credit” link in the table below. The evaluation must be completed and submitted to receive credit. Employee credits will be added to their transcript which can be viewed and printed at any time in Learning Connection. Outreach partners will receive a credit certificate.

Lectures Available – click title to watch!

Hepatitis Review

Laura Schulz, MLS(ASCP)^{cm}

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1. Correlate antigen and antibody markers with the stage of illness or infection.
2. Compare and contrast Hepatitis A, B, C, D and E.
3. Identify which viruses have vaccinations that are available.

Anti-Xa Assays

Jill Brantner, MT(ASCP)SBB,SH

[Claim Credit](#)

1. List disadvantages of the APTT test for monitoring unfractionated heparin.
2. List factors that affect the APTT test **before** heparin administration.
3. List advantages of the Anti-Xa test for heparin monitoring.

Introduction to the ABO Blood Group System

Beth Manning BS, MLS(ASCP)^{cm}SBB^{cm}

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1. List the distribution frequencies of ABO groups in various populations.
2. Describe the development and reactivity characteristics of ABO antigens and antibodies.
3. Explain the A₁ and A₂ subgroups and the differences between them.

Recognizing and Resolving Patient ABO Discrepancies

Beth Manning BS, MLS(ASCP)^{cm}SBB^{cm}

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1. Provide at least three examples of technical errors that can result in an ABO discrepancy.
2. Define both the cause and suggested resolution when evaluating discrepant ABO patient results.
3. Describe how polyagglutination and mixed field reactivity can produce an ABO discrepancy.

Hematopoietic Progenitor Cell Processing

Althea Rossier MSTM, MLS(ASCP)^{cm}SBB^{cm}

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1. Describe Hematopoietic Progenitor Cells.
2. Discuss Clinical Indications for Autologous Hematopoietic Cell Transplantation (HCT).
3. Discuss Quality Management in Autologous Hematopoietic Progenitor Cell (HPC-A) Processing.
4. Discuss Handling and Storage Requirements for HPC Products.
5. Discuss Release Criteria of HPC-A Product.

Streptococcus pyogenes: Acute Pharyngitis

Kevin Davy, MS, MLS(ASCP)

[Claim Credit](#)

1. Describe the virulence factors of *Strep. pyogenes* and how they impact the host.
2. Explain secondary disease states that can occur if *Strep. pyogenes* acute pharyngitis is left untreated.
3. Explain the different testing methodologies used in a clinical lab.
4. Describe treatment options for acute pharyngitis caused by *Strep. Pyogenes*.

Blood Components and Transfusion Indications

John Whittier, MLS(ASCP)^{cm}

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1. Discuss the physiology and storage of blood components.
 2. Describe the collection and preservation of blood components.
 3. List the indications for transfusion of whole blood, red blood cell, platelet, and plasma components.
 4. Outline blood product modification and transfusion indications.
 5. Describe current transfusion practices.
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