

Fundamentals Call for Faculty 2025 – Open Topics

Presentation and eBook Chapter:

1. Principles of Conditioning in HCT
 - a. One Faculty - The faculty will present at the 2025 Fundamentals of HCT Training Course and update the “Principles of Conditioning in HCT” chapter in the Fundamentals eBook. This faculty should have expertise in the use of conditioning regimens prior to stem cell transplantation. This faculty will discuss the pharmacologic principles, mechanisms of action, and clinical application of conditioning agents, including the selection process for various regimens, potential toxicities, and strategies for managing complications. This faculty should be familiar with busulfan dosing, pharmacokinetics and therapeutic drug monitoring.
 - b. Presentation length: 60 minutes
2. Pulmonary Complications in HCT
 - a. One Faculty - The selected faculty member will present at the 2025 Fundamentals of HCT Training Course and update the "Pulmonary Complications in HCT" chapter in the Fundamentals eBook. The faculty should have expertise in diagnosing, managing, and preventing non-infectious pulmonary complications after hematopoietic cell transplantation. This faculty will discuss pathophysiology, risk factors, clinical presentation, and management strategies for non-infectious pulmonary complications, and provide guidance on developing effective treatment plans tailored to each specific complication.
 - b. Presentation length: 45 minutes
3. Maintenance Strategies in HCT
 - a. One Faculty - The selected faculty member will present at the 2025 Fundamentals of HCT Training Course and update the "Maintenance Strategies after HCT" chapter in the Fundamentals eBook. The faculty should have expertise in the use of pharmacologic agents for preventing relapse of disease following hematopoietic cell transplantation. This faculty will discuss guideline recommendations and maintenance therapies utilized after autologous and allogeneic HCT, including the rationale, selection, and clinical application of maintenance therapies with a focus on improving long-term outcomes and reducing relapse rates in transplant recipients.
 - b. Presentation length: 45 minutes

eBook Chapter ONLY:

1. Indications for HCT in Myelofibrosis
 - a. One Faculty - The selected author will update the "Indications for HCT in Myelofibrosis" chapter in the Fundamentals eBook. The author should have in-depth knowledge of the clinical criteria and decision-making process for recommending hematopoietic cell transplantation in patients with myelofibrosis. The chapter should cover patient selection, risk stratification, timing of

transplantation, and the impact of genetic and molecular markers on treatment decisions.

2. Bacterial Infections

- a. One Faculty - The selected author will update the "Bacterial Infections in HCT: Prophylaxis and Treatment" chapter in the Fundamentals eBook. The author should have expertise in the management of bacterial infections in hematopoietic cell transplantation patients. The chapter should include strategies for infection prevention, risk assessment, prophylactic measures, and the treatment of bacterial infections, with an emphasis on current guidelines, antimicrobial stewardship, and emerging resistance patterns.

3. Co-Author for the Pediatric Chapter

- a. One Faculty - The selected author will collaborate with two other faculty members to update and expand the "Pediatric Hematopoietic Cell Transplantation" chapter in the Fundamentals eBook. The author should have expertise in pediatric hematopoietic cell transplantation and cellular therapy. Responsibilities include contributing to the existing content, incorporating new developments, and ensuring the chapter reflects the latest standards and practices in pediatric transplantation.

Timeline of Course Material Review	
Cut-off date for information added to course	12/31/2024
1st draft of materials due by faculty. All course materials should be sent directly to your designated point person – please see table on next page. Based on faculty agreement: <ol style="list-style-type: none"> (1) Slides w/ learning objectives and multiple-choice questions with correct answer noted and/or (2) eBook chapter 	1/6/2025
Review of 1 st draft due by external reviewer	1/21/2025
Review of 1 st draft due by internal reviewer <ul style="list-style-type: none"> • 1st draft returned to faculty 	1/28/2025
2nd draft of materials due by faculty	2/11/2025
Review of 2 nd draft completed by internal reviewers <ul style="list-style-type: none"> • 2nd draft returned to faculty 	2/24/2025
Final materials due faculty	3/5/2025
2025 Fundamentals of HCT Virtual Conference	April 3 rd and 4 th