

**Osteonecrosis in Pediatric, Adolescent and Young Adult Acute Lymphoblastic
Leukemia(ALL): Insights into the Etiology and Treatment of this Emerging Toxicity**

Supported by the Childrens Oncology Group and the National Cancer Institute

January 25 and 26, 2010

Monday, January 25, 2010

8-8:10

**Welcome and Overview (Co chairs: Len Mattano, Michael Mont, Mary Relling)
Goals of the Workshop**

Session I: Overview of ON and ALL

8:10-9:10 AM

Osteonecrosis in Acute Lymphoblastic Leukemia: A Barrier to Best Care

Len Mattano, MD

Session II: Bone and Bone Cell Physiology-Overview

9:10-9:40 AM

Glucocorticoids, Osteocytes and Skeletal Fragility:
The Role of Bone Vascularity

Robert Weinstein, MD

Session III: Risk Factors:

9:40-10:10 AM

Thrombophilia, hypofibrinolysis, corticosteroids, and L-asparaginase: reversible interactions for the development of osteonecrosis during treatment of acute lymphocytic leukemia in children

Charles Glueck, MD

Break 10:10- 10:25 AM

10:25-11:15 AM

Pharmacogenetics of ON

Mary Relling, PharmD

11:15-11:25 AM

Questions

Session IV: Animal Models

11:20-11:50 AM

Animal Models: Review and Clinical Relevance

Lynne Jones, PhD

11:50-12:20 PM Mouse

Mouse model for Glucocorticoid-induced
Osteonecrosis

Mary Relling, PharmD

Questions 12:20-12:30 pm

12:30-1:45 PM Lunch

Session V: ON in the Non-Leukemic setting

1:45-2:15 PM

Natural history and Etiologic Factors in Osteonecrosis of the Femoral Head

Edward Cheng, MD

2:15-2:45 PM

Chemotherapy-Associated Osteonecrosis in Cancer Patients with Solid Tumors

Eric Winquist, MD, MSc

2:45-3:15 PM

Osteonecrosis and HIV Infection

Caryn Morse, MD, MPH

Break: 3:15-3:35 PM

3:35-4:05 PM

Glucocorticoid-Induced Osteoporosis in Children:
Impact of the Underlying Disease

Mary Leonard, MD, MPH

Questions: 4:05-4:15 PM

Session VI: Diagnosis

4:15 -5:00 PM

Imaging of Osteonecrosis in Pediatric ALL

Sue Kaste, DO

5:00- 6:00 PM Questions and discussions

Tuesday, Jan 26, 2010

Session VII: Treatment Approaches

8:00-8:30 AM

Surgical Treatment Overview

Michael Mont, MD

8:30-9:00 AM

Cancer Associated Bone Necrosis in Young Patients:
A Treatment Strategy

Wolf Drescher, MD, PhD

9:00-9:30 AM

Anti-resorptive Therapy for Osteonecrosis

Harry KW Kim, MD, MSc

9:30-10 AM

Cellular Based Therapy

Massimo Dominici, MD

10-10:10 AM

Break

10:10-10:20 AM

Interventions

Len Mattano, MD

10 :20AM-11:40 AM

Panel Discussion on the therapeutic interventions-Chaired by Michael Mont

Panel Members : Len Mattano, Wolf Drescher, Harry Kim, Edward Cheng,

11:40-12:00 PM

Summary and Future Directions

- Action items
- Recommendations