Baylor College of Medicine

BAYLOR ST. LUKE'S & DAN L DUNCAN COMPREHENSIVE CANCER CENTER

SECOND ANNUAL ACUTE HEMATOLOGIC MALIGNANCIES SYMPOSIUM

SATURDAY, NOV. 2, 2019

BCM MAIN - DEBAKEY AUDITORIUM M112

PM Poster Session • 12:00pm–12:45pm
Presentations • 8:00am–4:00pm

For more information, please contact Christina Velasquez at cguerrer@bcm.edu

PLANNING COMMITTEE

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KEY LECTURERS

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Universitätsklinikum Carl Gustav Carus an der Technischen Universität Dresden

NEEDS

Our second symposium will bring together recognized national and international speakers to address recent advances in diagnosis of myelodysplastic syndrome (MDS) and measurable residual disease [MRD] directed acute myelogenous leukemia (AML) therapy. In recent years, the discovery of clonal hematopoiesis of indeterminate potential (CHIP) greatly impacted scientific view of leukemogenesis. How CHIP configurates risk for clonal myeloid neoplasms in adult and elderly patients became an attractive and urgent research entity. Among clonal myeloid disorders, MDS is mostly observed in elderly patients and confers variable risk for AML transformation. While low-risk MDS patients are treated with growth factors and lenalidomide, high-risk MDS patients deemed unsuitable for allogenic bone marrow transplantation are treated with hypomethylating agents. A significant number of cases exhibit primary refractory disease or relapse soon after achieving initial response highlighting that novel therapy design is urgently needed. In adult patients initially diagnosed with MDS who evolve to AML, or present with *de novo* disease, significant progress has been made in understanding AML pathogenesis. Cytarabine (Ara-C) plus anthracycline [7+3 regimen] followed by high-dose cytarabine (HIDAC) and/ or stem cell transplantation [in selected intermediate and suitable unfavorable risk patients] is still considered standard of care. However, differential outcome is frequently observed, with large number of cases exhibiting inferior survival. AML molecular heterogeneity explains, at least in part, lack of uniform therapy response. 2017, 2018 and early 2019 represents historical momentum gained by FDA approval of 7 new AML drugs. Among them, three drugs to target leukemia “gene addiction” [i.e. *FLT3 ITD, FLT3 TKD, IDH1/IDH2 and hedgehog pathway inhibitor*]; one antibody-drug-conjugate directed against CD33 and liposomal cytarabine/anthracycline for treatment of therapy-related and myelodysplasia-related changes AML. During our symposium, we will emphasize the need for physicians to combine up-to-date knowledge and technology to efficiently identify “actionable targets” for treatment of AML and MDS patients. Additionally, we expect to gain insight into promising scientific data that would inform therapy efficacy based on AML MRD evaluation. The symposium will provide important novel development in MDS and AML pathogenesis leading to unique opportunity for clinical trial design ideas.

TARGET AUDIENCE

This course is designed for practicing hematologist, oncologist, physician assistants, basic scientist, nurse practitioners, registered nurses, hematology and oncology fellows, residents and students.

EDUCATIONAL OBJECTIVE

At the conclusion of the activity, participants should be able to:

- Discuss applicability of new FDA agents in targeted therapy for AML and MDS.
- Describe current concepts for risk stratification of AML.
- Describe the correlation between clonal hematopoiesis and risk of developing MDS, AML, and cardiovascular disease.
- Execute better treatment decisions for patients presenting with AML or MDS.

EDUCATIONAL METHODS

Lectures, panel discussions, case studies, audience response system, as well as questions and answer session.

EVALUATION

Evaluation by questionnaire will address program content, presentation, and possible bias.

ACCREDITATION/CREDIT DESIGNATION

Baylor College of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Baylor College of Medicine designates this live activity for a maximum of 5.50 *AMA PRA Category 1 Credits™.* Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Cizik School of Nursing UTHealth is an approved provider of continuing nursing education by the Texas Nurses Association - Approver, an accredited approver with distinction by the American Nurses Credentialing Center's Commission on Accreditation.

This activity provides 5.75 contact hours on Nursing Continuing Education.

DISCLOSURE

In order to meet the requirements of the Accreditation Council for Continuing Medical Education (ACCME) it is the policy of Baylor College of Medicine that all individuals who are in a position to control the content of a CME course (course director, planning committee members, and faculty) disclose relevant financial relationships with commercial interests. All identified conflicts of interest are managed to help ensure that the educational material is scientifically based, accurate, and objectively presented. Specific disclosure will be made to the participants prior to the educational course.

Audio or videotaping is prohibited without written permission from the Activity Director and the Office of Continuing Medical Education, Baylor College of Medicine, Houston, Texas.

CLAIMING CREDIT

Physician CME Credit, Nursing, and Other Healthcare Professional Attendance

After the conference, an email will follow from the Baylor College of Medicine Office of Continuing Medical Education with instructions for completing the evaluation and obtaining your CME, Certificate of Attendance, or CE Certificate (if applicable).