KEYNOTE PRESENTATION:
CAR T-Cell Therapy for Acute and Chronic Leukemia-Current and Future Application

Saad J. Kenderian, M.B., Ch.B.
COURSE DESCRIPTION
This two-day symposium will review current diagnostic and treatment standards for acute and chronic leukemias. Interactive case presentations will feature panels of experts weighing in on pivotal treatment issues. Sessions will highlight standards of care, as well as new and emerging treatments, side effects of treatments, and any pertinent clinical issues of a specific diagnosis. A keynote address on CAR T-cell therapies will be provided by Saad J. Kenderian, M.B., Ch.B., topics include: chronic myeloid leukemia, myelodysplastic syndrome, acute myeloid leukemia, and acute lymphoblastic leukemia.

The second day of the symposium will feature didactic sessions to address updates in acute and chronic myeloid leukemia, myeloproliferative neoplasms, myelodysplastic syndromes, acute myeloid leukemia, chronic lymphocytic leukemia, acute lymphoblastic leukemia, palliative care, and pathology issues in this population.

LEARNING OBJECTIVES
Upon completion of this activity, participants should be able to:

- Demonstrate treatments for newly diagnosed and relapsed acute lymphocytic leukemia.
- Describe outcomes of patients with relapsed acute lymphocytic leukemia.
- Recognize when to use IDH-1 and IDH-2 inhibitors in acute myeloid leukemia.
- Describe minimal residual disease testing and how to apply it.
- Recognize therapeutic use of CAR T-cell therapy.

Attendance at this Mayo Clinic course does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course.

INTENDED AUDIENCE
This course is designed for physicians, nurses, nurse practitioners, physician assistants, fellows, and residents in the following specialties: hematology/oncology, internal medicine, hospital medicine, hematopathology, and medical oncology.

REGISTRATION
Register online at: CE.MAYO.EDU/LEUKEMIA2019

<table>
<thead>
<tr>
<th>Registration Fee</th>
<th>On or Before 9/11/19</th>
<th>After 9/11/19</th>
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<tbody>
<tr>
<td>MD, PhD, DO</td>
<td>$500</td>
<td>$575</td>
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<tr>
<td>Nurse, PA, NP, Other</td>
<td>$350</td>
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Visit the course website for more information on registering and our cancellation policy.

MEETING LOCATION AND ACCOMMODATIONS
Coronado Island Marriott Resort & Spa
2000 2nd St
Coronado, CA 92118
Phone Reservations: (800) 228-9290

A special room block rate of $249 (USD), plus applicable city/state taxes is available for course participants and guests. Mayo Clinic group rates apply three days prior to and three days post-course dates, based on availability. To ensure accommodations, please make your reservation before the room block quickly fills, or by September 11, 2019.
FRIDAY, OCTOBER 11, 2019

2:30 p.m.  Registration & Light Lunch/Refreshments

3:00  Welcome Announcements

3:15  Keynote Address: CAR T-Cell Therapy for Acute and Chronic Leukemia-Current and Future Application
Saad J. Kenderian, M.B., Ch.B.

4:00  Acute Myeloid Leukemia: An Interactive Case Presentation
Mark R. Litzow, M.D.

   Panel: Aref Al-Kali, M.D.; James M. Foran, M.D.;
   Naseema Gangat, M.B.B.S.; Jose F. Leis, M.D., Ph.D.;
   Jeanne M. Palmer, M.D.; Lisa Z. Sproat, M.D.

5:00  Chronic Myeloid Leukemia: An Interactive Case Presentation
Lisa Z. Sproat, M.D.

   Panel: Aref Al-Kali, M.D.; James M. Foran, M.D.;
   Naseema Gangat, M.B.B.S.; Jose F. Leis, M.D., Ph.D.;
   Mark R. Litzow, M.D.; Jeanne M. Palmer, M.D.

5:30  Break

5:45  Acute Lymphoblastic Leukemia: An Interactive Case Presentation
Lisa Z. Sproat, M.D.

   Panel: Aref Al-Kali, M.D.; James M. Foran, M.D.;
   Naseema Gangat, M.B.B.S.; Saad J. Kenderian, M.B., Ch.B.;
   Jose F. Leis, M.D., Ph.D.; Mark R. Litzow, M.D.;
   Jeanne M. Palmer, M.D.

6:15  Myelodysplastic Syndrome: An Interactive Case Presentation
Jeanne M. Palmer, M.D.

   Panel: Aref Al-Kali, M.D.; James M. Foran, M.D.;
   Naseema Gangat, M.B.B.S.; Jose F. Leis, M.D., Ph.D.;
   Mark R. Litzow, M.D.; Lisa Z. Sproat, M.D.

7:15  Adjourn
SATURDAY, OCTOBER 12, 2019

7:45 a.m.  Continental Breakfast

8:15  Welcome Announcements

8:30  Myelodysplastic Syndrome/Acute Myeloid Leukemia: Molecular Profile and Epigenetics
      Aref Al-Kali, M.D.

9:00  Myelodysplastic Syndrome/Acute Myeloid Leukemia: Emerging Therapies
      James M. Foran, M.D.

9:30  Oral Chemotherapy Agents: Pharmacy Pearls
      Margaret R. McCallen, Pharm.D., R.Ph.

10:00  Question & Answer
      Faculty

10:15  Break

10:30  CAR T-Cell Therapy: Practical Management and Referral
      Saad J. Kenderian, M.B., Ch.B.

11:00  Acute Lymphoblastic Leukemia in Adults: Standard Induction Regimens and Treatment for Relapsed Disease
      Mark R. Litzow, M.D.

11:30  Palliative Care for Hematologic Malignancy
      Sara E. Wordingham, M.D.

Noon  Question & Answer
      Faculty

12:30 p.m.  Lunch with the Experts

ALL:  Mark R. Litzow, M.D.;  AML:  Aref Al-Kali, M.D.;
CAR T-Cell Therapy:  Saad J. Kenderian, M.B., Ch.B.;
CLL:  Jose F. Leis, M.D.;  CML:  Lisa Z. Sproat, M.D.;
MDS:  James M. Foran, M.D;  MPN:  Jeanne M. Palmer, M.D.

1:30  Myeloproliferative Neoplasms: Management and Interpreting Molecular Markers
      Jeanne M. Palmer, M.D.

2:00  Acute Myeloid Leukemia: Therapy for Those Unfit for Standard Induction
      Naseema Gangat, M.B.B.S.

2:30  Chronic Lymphocytic Leukemia: Treatment of Relapsed Disease
      Jose F. Leis, M.D., Ph.D.

3:00  Minimal Residual Disease Testing in the Time of Biological Therapy
      Katalin Kelemen, M.D., Ph.D.

3:30  Question and Answer
      Faculty

4:00  Adjourn
FACULTY

Mayo Clinic Course Directors

Lisa Z. Sproat, M.D.
Jeanne M. Palmer, M.D.
Jeffrey A. Betcher, R.Ph.

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CREDIT

In support of improving patient care, Mayo Clinic College of Medicine and Science is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.

AMA: Mayo Clinic College of Medicine and Sciences designates this live activity for a maximum of 10 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AAFP: Application for CME credit has been filed with the American Academy of Family Physicians. Determination of credit is pending.

AOA: The American Osteopathic Association designates this program for a maximum of 10 AOA Category 2-A credits.

ANCC: Mayo Clinic College of Medicine and Science designates this live activity for a maximum of 10 ANCC nursing contact hours. Nurses should claim only the credit commensurate with the extent of their participation in the activity.

ABIM Maintenance of Certification (MOC): Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 10.0 Medical Knowledge MOC points in the American Board of Internal Medicine’s (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider’s responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit. Participation information will be shared with ABIM through PARS.

Other Healthcare Professionals: A certificate of attendance will be provided to other healthcare professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

*Please note that ACPE credit will not be offered in 2019.