This course is designed to provide an update on recent developments in the management of patients with advanced liver disease including recent shifts in the etiology of liver failure, management of HCC using interventional radiology, and cardiac risk stratification in patients with cirrhosis. In addition, updates on the evolving role of nutritional therapy and bariatric surgery for obese patients with liver disease as well as the promise of bioartificial livers will be reviewed. Finally, the ability to increase access to transplantation via living donation, use of increased risk donors, and hepatitis C donor organs will be reviewed.

The goal of this course is for the following objectives to be understood and utilized within your practice:

- Temporal trends in indications for liver transplantation including the increasing proportion of older patients and those with alcohol use disorder, NASH, and HCC.
- Risks and benefits of interventional oncology including Y-90, chemoblation, and ablative therapies in patients with HCC.
- Use of chemical and nuclear testing in risk stratification of patients with coronary artery disease as well as the evolving role of TAVR in patients with aortic incompetence.
- How to optimize nutritional status and micronutrient deficiencies in LT candidates.
- Evolving safety and efficacy of bariatric surgery in kidney transplant candidates and liver transplant recipients.
- Current research paradigms to develop a humanized bioartificial liver using stem cell technologies.
- Risks and benefits of living donor liver transplantation, increased risk donors, and hepatitis C donors as a means to expand the organ donor pool.
- New findings regarding the potential for allograft tolerance amongst pediatric liver transplant recipients and the importance of medication compliance amongst adolescent patients.

TARGET AUDIENCE

This course is directed to gastroenterologists, primary care physicians, surgeons, and other health care providers including nurse practitioners, social workers, physician assistants and nurses involved in the management of patients with cirrhosis and advanced liver disease.
Accreditations & Credit Designations
The University of Michigan Medical School is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. The University of Michigan Medical School designates this live activity for a maximum of 6 AMA PRA Category 1 credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity. The American Osteopathic Association has approved this activity for AOA Category 2 credit. Other credit by specialty may vary.

Allevon The Michigan State Board of Nursing recognizes the Accreditation Council for Continuing Medical Education (ACCME) as an approved provider of continuing medical education for nurses. CME credit awarded at this program may be included in the 20-hour renewal requirements per rule 2 a. Michigan State Board of Nursing.

Social Work: An application has been submitted for CEs and an approval is pending with the Michigan Social Work Continuing Education Collaborative.

Transplant Certification Category I: Continuing Education Points for Transplant Certification (CEPTC®) have been applied for through the American Board for Transplant Certification (ABTC). Successful completion of the CW activity, which includes participation in the evaluation component, enables the participant to earn Category I Maintenance of Certification (MOC) points in the American Board of Internal Medicine’s (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points based on the amount of CEUs earned toward the activity. For the CW activity provider’s responsibility to submit participant completion information to the ACCME for the purpose of granting ABIM MOC points.

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn Category I Continuing Education (CE) and Category I Continuing Education Points for Transplant Certification (CEPTC®) credit. It is the CME activity provider’s responsibility to submit participant completion information to the ACCME for the purpose of granting AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity. For the CW activity, providers must ensure that the activity is delivered under the auspices of an institution of higher or professional education that has been accredited by the Accreditation Council for Continuing Medical Education (ACCME®). Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn Category I Continuing Education Points for Transplant Certification (CEPTC®). It is the CME activity provider’s responsibility to submit participant completion information to the ACCME for the purpose of granting ABIM MOC points.

For questions contact 734-936-7093.

Conference registrations, including parking information and maps, will be confirmed by email. If you do not receive confirmation, or if the information is in question, please contact (734)-936-7093.

A. Spahlinger, M.D., president, UMHS, and executive vice dean for clinical affairs, University of Michigan Medical School; Patricia D. Hurn, Ph.D., dean, School of Nursing.

Executive Officers of Michigan Medicine: Marschall S. Runge, M.D., Ph.D., executive vice president for medical affairs, chief executive officer, University of Michigan Medical School; David M. Lerner, M.D., executive vice president for medical affairs, University of Michigan Medical School; Patricia H. N. D. de, dean, School of Nursing.

The Regents of the University of Michigan. The Regents of the University of Michigan, as an equal opportunity/appropriate affirmative action employer.

© 1986, The Regents of the University of Michigan.

PLANNING COMMITTEE

Ming-Shao Jiale Huang, MD, PhD
Yao Li
Lung Tien, MD
University of Michigan Transplant Center

Samantha Robbins, MD
Lauren A. Spahlinger, MD
Assistant Professor
Department of Surgery

Christopher J. Sonnenday, MD
Course Co-Director
Assistant Professor
Section of Transplantation Surgery
Department of Surgery

Michele Cromer
Division of Gastroenterology
Liver Transplantation

Seth Waits, MD
Clinical Lecturer
University of Michigan Transplant Center

Christopher J. Sonnenday, MD
Course Co-Director
Assistant Professor
Section of Transplantation Surgery
Department of Surgery

Michele Cromer
Clinical Lecturer
University of Michigan Transplant Center

Daniel Menees, MD
Assistant Professor
Division of Cardiovascular Medicine

Christopher J. Sonnenday, MD
Surgical Director,
Section of Transplantation Surgery

Robert J. Fontana, MD
Liver Transplantation

Ming-Shao Jiale Huang, MD, PhD
Physician Scientist
M.D.
University of Michigan Transplant Center

Robert J. Fontana, MD
Medical Director
Liver Transplantation
Division of Gastroenterology
Department of Internal Medicine

Scott Nyberg, MD, PhD
Assistant Professor
Department of Surgery

 urbana, IL 61801

Christopher J. Sonnenday, MD
Course Co-Director
Assistant Professor
Surgical Director
Liver Transplantation
Department of Surgery

Benjamin Pomerantz, MD
Mayo Clinic
Professor of Surgery

Aryana Robbins, LMSW
University of Michigan Transplant Center

University of Michigan Medical School

Surgical Director,
Section of Transplantation Surgery

University of Michigan Transplant Center

Course Co-Director

Jami Roberts, LMSW
Social Work Manager

Jami Roberts, LMSW
Social Work Manager

Christopher J. Sonnenday, MD
Course Co-Director
Assistant Professor
Surgical Director
Liver Transplantation
Department of Surgery

Seth Waits, MD
Clinical Lecturer
Section of Transplantation Surgery
Department of Surgery

Anesthesiology

© 2020, The Regents of the University of Michigan.

Surgical Director,
Section of Transplantation Surgery

Ming-Shao Jiale Huang, MD, PhD
Physician Scientist
M.D.
University of Michigan Transplant Center

Ming-Shao Jiale Huang, MD, PhD
Yao Li
Lung Tien, MD
University of Michigan Transplant Center

Christopher J. Sonnenday, MD
Course Co-Director
Assistant Professor
Section of Transplantation Surgery
Department of Surgery

Michele Cromer
Division of Gastroenterology
Liver Transplantation

Seth Waits, MD
Clinical Lecturer
University of Michigan Transplant Center

Christopher J. Sonnenday, MD
Course Co-Director
Assistant Professor
Section of Transplantation Surgery
Department of Surgery

Ming-Shao Jiale Huang, MD, PhD
Physician Scientist
M.D.
University of Michigan Transplant Center

Robert J. Fontana, MD
Liver Transplantation

Ming-Shao Jiale Huang, MD, PhD
Physician Scientist
M.D.
University of Michigan Transplant Center

Robert J. Fontana, MD
Medical Director
Liver Transplantation
Division of Gastroenterology
Department of Internal Medicine

Scott Nyberg, MD, PhD
Assistant Professor
Department of Surgery

urbana, IL 61801

Christopher J. Sonnenday, MD
Course Co-Director
Assistant Professor
Surgical Director
Liver Transplantation
Department of Surgery

Benjamin Pomerantz, MD
Mayo Clinic
Professor of Surgery

Aryana Robbins, LMSW
University of Michigan Transplant Center

University of Michigan Medical School

Surgical Director,
Section of Transplantation Surgery

Ming-Shao Jiale Huang, MD, PhD
Physician Scientist
M.D.
University of Michigan Transplant Center

Ming-Shao Jiale Huang, MD, PhD
Yao Li
Lung Tien, MD
University of Michigan Transplant Center

Robert J. Fontana, MD
Liver Transplantation

Ming-Shao Jiale Huang, MD, PhD
Physician Scientist
M.D.
University of Michigan Transplant Center

Robert J. Fontana, MD
Medical Director
Liver Transplantation
Division of Gastroenterology
Department of Internal Medicine

Scott Nyberg, MD, PhD
Assistant Professor
Department of Surgery

urbana, IL 61801

Christopher J. Sonnenday, MD
Course Co-Director
Assistant Professor
Surgical Director
Liver Transplantation
Department of Surgery

Benjamin Pomerantz, MD
Mayo Clinic
Professor of Surgery

Aryana Robbins, LMSW
University of Michigan Transplant Center

University of Michigan Medical School

Surgical Director,
Section of Transplantation Surgery

Ming-Shao Jiale Huang, MD, PhD
Physician Scientist
M.D.
University of Michigan Transplant Center

Ming-Shao Jiale Huang, MD, PhD
Yao Li
Lung Tien, MD
University of Michigan Transplant Center

Robert J. Fontana, MD
Liver Transplantation

Ming-Shao Jiale Huang, MD, PhD
Physician Scientist
M.D.
University of Michigan Transplant Center

Robert J. Fontana, MD
Medical Director
Liver Transplantation
Division of Gastroenterology
Department of Internal Medicine

Scott Nyberg, MD, PhD
Assistant Professor
Department of Surgery

urbana, IL 61801

Christopher J. Sonnenday, MD
Course Co-Director
Assistant Professor
Surgical Director
Liver Transplantation
Department of Surgery

Benjamin Pomerantz, MD
Mayo Clinic
Professor of Surgery

Aryana Robbins, LMSW
University of Michigan Transplant Center

University of Michigan Medical School

Surgical Director,
Section of Transplantation Surgery

Ming-Shao Jiale Huang, MD, PhD
Physician Scientist
M.D.
University of Michigan Transplant Center

Ming-Shao Jiale Huang, MD, PhD
Yao Li
Lung Tien, MD
University of Michigan Transplant Center

Robert J. Fontana, MD
Liver Transplantation

Ming-Shao Jiale Huang, MD, PhD
Physician Scientist
M.D.
University of Michigan Transplant Center

Robert J. Fontana, MD
Medical Director
Liver Transplantation
Division of Gastroenterology
Department of Internal Medicine

Scott Nyberg, MD, PhD
Assistant Professor
Department of Surgery

urbana, IL 61801

Christopher J. Sonnenday, MD
Course Co-Director
Assistant Professor
Surgical Director
Liver Transplantation
Department of Surgery

Benjamin Pomerantz, MD
Mayo Clinic
Professor of Surgery

Aryana Robbins, LMSW
University of Michigan Transplant Center

University of Michigan Medical School

Surgical Director,
Section of Transplantation Surgery

Ming-Shao Jiale Huang, MD, PhD
Physician Scientist
M.D.
University of Michigan Transplant Center

Ming-Shao Jiale Huang, MD, PhD
Yao Li
Lung Tien, MD
University of Michigan Transplant Center

Robert J. Fontana, MD
Liver Transplantation

Ming-Shao Jiale Huang, MD, PhD
Physician Scientist
M.D.
University of Michigan Transplant Center

Robert J. Fontana, MD
Medical Director
Liver Transplantation
Division of Gastroenterology
Department of Internal Medicine

Scott Nyberg, MD, PhD
Assistant Professor
Department of Surgery

urbana, IL 61801

Christopher J. Sonnenday, MD
Course Co-Director
Assistant Professor
Surgical Director
Liver Transplantation
Department of Surgery

Benjamin Pomerantz, MD
Mayo Clinic
Professor of Surgery

Aryana Robbins, LMSW
University of Michigan Transplant Center

University of Michigan Medical School

Surgical Director,
Section of Transplantation Surgery

Ming-Shao Jiale Huang, MD, PhD
Physician Scientist
M.D.
University of Michigan Transplant Center

Ming-Shao Jiale Huang, MD, PhD
Yao Li
Lung Tien, MD
University of Michigan Transplant Center

Robert J. Fontana, MD
Liver Transplantation

Ming-Shao Jiale Huang, MD, PhD
Physician Scientist
M.D.
University of Michigan Transplant Center

Robert J. Fontana, MD
Medical Director
Liver Transplantation
Division of Gastroenterology
Department of Internal Medicine

Scott Nyberg, MD, PhD
Assistant Professor
Department of Surgery