

## OVERVIEW

The purpose of this activity is to provide nephrology team members with an overview and understanding of immunosuppressant therapy, including: (a) strengths and drawbacks of current agents, (b) preliminary data on investigational therapies, (c) the nuances of caring for special populations, and (d) methods for improving patient adherence.

## LEARNING OBJECTIVES

After completing this educational activity, you will be able to:

- Evaluate the limitations of current immunosuppressive agents, including how an understanding of the mechanism of action and toxicities of these drugs can be used to devise appropriate immunosuppressant regimens.
- Explain the current approach to immunosuppression in patients with kidney transplants, including short- and long-term patient outcomes and how to individualize regimens to improve outcomes.
- Review the future evolution of immunosuppressant therapies, including new agents that are on the horizon.
- Apply motivational interviewing techniques to adherence counseling in patients with kidney transplants receiving immunosuppressant therapy.

## METHOD OF PARTICIPATION

This CME/CE activity will be available as an on-demand webcast at [www.kidney.org/cme](http://www.kidney.org/cme). Participants will be able to view a self-directed slide presentation with accompanying audio. At the conclusion of this activity, participants will complete an evaluation and post-test to receive a certificate of completion. The estimated time for completion is 1.5 hours.

## FACULTY

**Roy Bloom, MD**  
Medical Director,  
Kidney Transplant Program  
University of Pennsylvania  
Philadelphia, PA

**Aimee Sundberg, PharmD**  
Director of Clinical Research  
University of Wisconsin  
Madison, WI

**Rebecca Hays, MSW, APSW**  
Clinical Social Worker  
University of Wisconsin Hospital and Clinics  
Madison, WI

## AUDIENCE

Physicians / Physician Assistants / Nurses / Nurse Practitioners / Dietitians / Dialysis Technicians / Pharmacists / Transplant Coordinators / Social Workers

## ACCREDITATION

**Physician:** The National Kidney Foundation is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The National Kidney Foundation designates this educational activity for a maximum of 1.5 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

This activity has been reviewed and is acceptable for up to 1.5 Prescribed credits by the American Academy of Family Physicians. AAFP accreditation begins July 1, 2010. Term of approval is for two years from this date, with option for yearly renewal.

The AAFP invites comments on any activity that has been approved for AAFP CME credit. Please forward your comments on the quality of this activity to [cmecomment@aafp.org](mailto:cmecomment@aafp.org).

**Physician Assistant:** AAFP accepts certificates of participation for educational activities certified for Category I credit from AOACME, Prescribed credit from AAFP, and *AMA PRA Category 1 Credit™* from organizations accredited by ACCME or a recognized state medical society. Physician assistants may receive a maximum of 1.5 hours of Category I credit for completing this program.

**Nurse Practitioner:** This program is approved for 1.25 contact hours of continuing education by the American Academy of Nurse Practitioners. Program ID 1006180.

This program was planned in accordance with AANP CE Standards and Policies and AANP Commercial Support Standards.

**Nurse and Technician:** The National Kidney Foundation is an approved provider of continuing nursing education by the New York State Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

It has been assigned Provider code 7QPLGU-PRV-09.

1.5 contact hours will be awarded.

**Dietitian:** The National Kidney Foundation is a Continuing Professional Education (CPE) Accredited Provider with the Commission on Dietetic Registration (CDR). Registered dietitians (RDs) and dietetic technicians, registered (DTRs) will receive 1.5 continuing professional education units (CPEUs) for completion of this program/material.



**Pharmacist:** The University of Illinois at Chicago, College of Pharmacy, is accredited by the Accreditation Council for Pharmacy Education (ACPE) as a provider of continuing pharmacy education. The ACPE universal activity number assigned to this educational offering is 016-999-10-078-H01-P.



This activity is accredited by the University of Illinois at Chicago, College of Pharmacy for 0.15 CEUs (1.5 contact hours).

This activity is knowledge-based.

**Transplant Coordinator:** The American Board for Transplant Certification (ABTC) has approved this educational offering for up to 1.5 Category I Continuing Education Points for Transplant Coordinators (CEPTCs).

**Social Worker:** The National Kidney Foundation Council of Nephrology Social Workers, Provider #1014, is approved as a provider for social work continuing education by the Association of Social Work Boards (ASWB) [www.aswb.org](http://www.aswb.org), through the Approved Continuing Education (ACE) program. The National Kidney Foundation Council of Nephrology Social Workers maintains responsibility for the program. Social workers participating in this course will receive 1.5 continuing education clock hours. Licensed social workers should contact their individual jurisdiction to review current continuing education requirements for licensure renewal.

**Declaration of Disclosure:** It is the policy of the National Kidney Foundation (NKF) to ensure balance, independence, objectivity and scientific rigor in all CME/CE activities. Any individual who has control over CME content is required to disclose to learners prior to the activity any relevant financial relationship(s) they may have with commercial interests supporting this activity or whose products or devices are discussed in this activity. If, on the basis of information disclosed, a perceived conflict exists, resolution will be achieved based on NKF's Disclosure and Conflict of Interest policy.

**Unlabeled/Investigational Use:** During their presentations, faculty may discuss an unlabeled use or an investigational use not approved for a commercial product. Each faculty member is required to disclose this information to the audience when referring to an unlabeled or investigational use.

**Disclaimer:** The faculty, National Kidney Foundation and Bristol-Myers Squibb do not recommend the use of any pharmaceutical, diagnostic test or device outside of the labeled indications as approved by the FDA. Please refer to the official prescribing information for each product for approved indications, contraindications and warnings.

## REGISTRATION

View this free CME/CE activity at the National Kidney Foundation website [www.kidney.org/cme](http://www.kidney.org/cme). Please include your NKF ID number when you register. Your NKF ID number is located next to your name on the address label of this brochure. For more information, please call NKF at 800.622.9010, or visit our website at [www.kidney.org](http://www.kidney.org)

A **FREE** Webcast CME/CE Learning Activity

Release Date: July 15, 2010

Expiration Date: June 30, 2012

# Strengths and Drawbacks of **CURRENT** **IMMUNOSUPPRESSANT** **AGENTS**

Accredited by



Supported by an unrestricted  
medical education grant from



**National Kidney  
Foundation®**

30 East 33rd Street  
New York, NY 10016  
[www.kidney.org](http://www.kidney.org)

Non-Profit Org.  
U.S. Postage  
**PAID**  
Ballston Spa, NY  
Permit No. 58

*A FREE Webcast CME/CE Learning Activity*

**Strengths and Drawbacks of  
Current  
Immunosuppressant Agents**