

INTRAVENOUS VITAMIN C - INTEGRATIVE THERAPIES

Friday, September 30 through Saturday, October 1, 2016

Truman Forum Auditorium | Plaza Library | 4801 Main Street | Kansas City, Missouri

KU
INTEGRATIVE
MEDICINE

THE UNIVERSITY OF
KANSAS MEDICAL
CENTER



COURSE DIRECTOR

Jeanne Drisko, M.D., Riordan Professor of Orthomolecular Medicine and Research;
Director of Integrative Medicine, University of Kansas Medical Center, Kansas City, Kansas

OVERVIEW

Recent in vitro and animal evidence from many laboratories indicates that pharmacologic but not oral ascorbate may have selective cancer killing properties, by action as a prodrug to generate hydrogen peroxide selectively in extracellular fluid (Chen et al. 2008; Levine et al. 2011). The use of ascorbate in oncology has long been passionately debated (Levine et al. 2009; Creagan et al. 1979). Notwithstanding the limitations of studies performed in the late 1970's, the idea of ascorbate as a chemotherapeutic agent seems plausible, stemming from a postulated versatile role in biochemical reactions and its selectivity for abnormal cells (Chen et al. 2005; Chen et al. 2007). Our group has elucidated the disproportionate pharmacokinetic properties between oral and intravenous (pharmacological) vitamin C administration in normal human subjects (Padayatty et al. 2004). Intravenous administration of ascorbate achieves 70-fold higher concentration than that achieved by maximum oral consumption in humans (Padayatty et al. 2004; Chen et al. 2008; Levine et al. 2011). This striking concentration difference seems to be dependent on tightly-regulated mechanisms that maintain serum ascorbate concentrations when ingested orally but not when infused intravenously and intravenous infusion bypassing tight control appears to be critical for its role in oncology.

TARGET AUDIENCE

This symposium is designed for physicians (M.D. and D.O.), registered nurses (RN), advanced practice registered nurses (APRN), pharmacists, naturopathic doctor (ND), Dietitians (RD) and nutritionists.

OUTCOMES

At the completion of this symposium, participants should be able to:

- Discuss with patients and their families the current evidence for or against the use of intravenous vitamin C (ascorbate) as an intervention in oncology treatment or sepsis in critical care settings.
- Evaluate the expanding scientific evidence for the proposed mechanisms of action of intravenous vitamin C (ascorbate) as an intervention in oncology and sepsis care.
- Define methods in administering intravenous vitamin C (ascorbate) safely in clinical care.

PLANNING COMMITTEE

- **Jeanne Drisko, M.D.**, Riordan Professor of Orthomolecular Medicine and Research, Director of Integrative Medicine, University of Kansas Medical Center, Kansas City, Kansas
- **Anna Esparham, M.D.**, Clinical Assistant Professor, Integrative Medicine, University of Kansas Medical Center, Kansas City, Kansas
- **Randall Evans, RD**, Integrative Medicine, University of Kansas Medical Center, Kansas City, Kansas
- **Jan Foecke, MS, RN, ONC**, Assistant Dean for Community Affairs, Director of Nursing Continuing Education, University of Kansas School of Nursing, Kansas City, Kansas
- **Qi Chen, Ph.D.**, Department of Pharmacology and Toxicology, University of Kansas Medical Center, Kansas City, Kansas
- **Emily Curran, APRN**, Integrative Medicine, University of Kansas Medical Center, Kansas City, Kansas
- **Marla Sutton, MS**, Senior Program Manager, Office of Continuing Education and Professional Development, University of Kansas Medical Center, Kansas City, Kansas

ACCREDITATION

All participants are required to sign attendance rosters at the beginning of each day. A certificate of completion will be provided to all activity participants based on completion of the program evaluation, documentation of actual attendance time, and payment in full. If you are not paid in full, a link to complete evaluation and get your certificate will be emailed to you upon receipt of payment.

Physicians: The University of Kansas Medical Center Office of Continuing Medical Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The KU Medical Center Office of Continuing Medical Education designates this live activity for a maximum of *11.5 AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nurses: Up to 11.5 contact hours will be awarded to all individuals based on completion of the program evaluation, documentation of actual attendance time, and payment in full.

University of Kansas School of Nursing is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.

Notice - Physician Information Collection: For physician attendees, the Open Payments to Physicians (Sunshine Act) may require the company supporters(s) to report to CMS the value of some items associated with this activity. For proper reporting, we will be asking for your NPI (National Provider Index) number and a state license number.

ACKNOWLEDGMENTS

Financial contributions and supporters of this program will be acknowledged in print at the symposium.

EXHIBITS

Commercial vendors are invited to exhibit at this meeting. Limited exhibit space will be available. Call Randy Evans at 913-945-6742 or e-mail revans5@kumc.edu for an application or more information.

AGENDA

FRIDAY, SEPTEMBER 30, 2016

- 7:30 a.m. Registration, Exhibits, and Continental Breakfast
- 8:15 a.m. **Welcome and Introductions**
Jeanne Drisko, M.D. - Course Director and Moderator
- 8:30 a.m. Qi Chen, Ph.D.
- 9:30 a.m. Lewis Cantley, M.D.
- 10:30 a.m. Refreshment Break and Exhibits
- 11:00 a.m. Daniel Monti, M.D.
- 12:00 p.m. Lunch Provided,
Luncheon Panel Discussion: Lewis Cantley, Keynote Speaker Mark Levine, Qi Chen, Dan Monti –
Moderator Jeanne Drisko
- 1:00 p.m. Keynote Speaker Mark Levine, M.D.
- 2:30 p.m. Jeanne Drisko, M.D.
- 3:00 p.m. Refreshment Break and Exhibits
- 3:30 p.m. Alpha Fowler, M.D.
- 4:30 p.m. Ramesh Nataragan, Ph.D.
- 5:30 p.m. Adjournment for the day

SATURDAY, OCTOBER 1, 2016

- 8:00 a.m. Registration, Exhibits, and Continental Breakfast
- 8:30 a.m. Joseph Cullen, M.D.
- 9:30 a.m. Gary Buettner, Ph.D.
- 10:30 a.m. John Hoffer, M.D.

11:30 a.m. Wrap-up panel: Joseph Cullen, Gary Buettner, John Hoffer
Moderator Jeanne Drisko

12:00 p.m. Adjourn

REGISTRATION AND FEES

Payment is required at the time of registration. Only registrations accompanied with payment will be accepted. Please register in advance. Fees include course materials, continental breakfast, lunch, refreshments and continuing education credit.

Physician	\$350
Advance Practice Nurse/Nurse	\$350
Other Health Care Professional	\$350
Early Bird Registration Discount – Register by July 29, 2016	\$299
General Public or Non-Health Care Professionals	\$199
Resident, Fellow or Student	\$199

REFUND/CANCELLATION POLICY

A full refund of registration fees, less a \$15 administrative fee, will be available if requested in writing and received by September 9, 2016. No refunds will be made after that date. A \$30 fee also will be charged for returned checks. (Please note that if you fail to cancel by the deadline and do not attend, you are still responsible for payment.)

KU Medical Center Continuing Education reserves the right to cancel the Intravenous Vitamin C – Integrative Therapies and return all fees in the event of insufficient registration. The liability of the University of Kansas is limited to the registration fee. The University of Kansas will not be responsible for any losses incurred by registrants, including but not limited to airline cancellation charges or hotel deposits.

LOCATION & PARKING

All events will take place at the Truman Forum Auditorium, Plaza Library, 4801 Main Street, Kansas City, Missouri. Please bring a sweater or jacket, since temperatures can be difficult to control in large rooms. For more information about Kansas City area events, go to the Kansas City Visitor's Website <http://www.visitkc.com>.

LODGING

A block of rooms has been reserved at the InterContinental Hotel, 401 Ward Parkway, Kansas City, Missouri, at the daily rate of \$185.00 for single or double occupancy. To take advantage of the special rate, call 866-856-9717 by

September 20, 2016, and mention that you will be attending the KU Medical Center Intravenous Vitamin C – Integrative Therapies. After September 20, 2016, room availability and rates cannot be guaranteed. For a group booking you may call Kristin Danko, Sales Manager, at 816-756-1500.

PROGRAM ACCESSIBILITY

We accommodate persons with disabilities. Please call 913-588-4488 or mark the space on the registration form and a KU Medical Center Continuing Education and Professional Development representative will contact you to discuss your needs. To ensure accommodation, please register at least two weeks before the start of the Intravenous Vitamin C – Integrative Therapies.

University of Kansas Medical Center is committed to providing programs and activities to all persons, regardless of race, religion, color, national origin, ancestry, sex, age, disability and veteran status. In addition, university policies

prohibit discrimination on the basis of sexual orientation, marital status and parental status.

University of Kansas Medical Center is an AA/EO Title IX institution.

PRIVACY POLICY

KU Medical Center Continuing Education does not share, sell, or rent its mailing lists. You have our assurance that any information you provide will be held in confidence by KU Medical Center Continuing Education.

We occasionally use mailing lists that we have leased. If you receive unwanted communication from KU Medical Center Continuing Education, it is because your name appears on a list we have acquired from another source. In this case, please accept our apologies.

