

UNDERSTANDING DEMENTIA

A BIOMED SEMINAR FOR NURSES: 6 CONTACT HOURS

Seminar registration is from 7:45 AM to 8:15 AM. The seminar will begin at 8:30 AM. A lunch break (on your own) will take place from approximately 11:30 AM to 12:20 PM. The course will adjourn at 3:30 PM, at which time course completion certificates are distributed.

Nikita Katz, M.D., Ph.D. (Oct. 23 & 24)

PROGRAM / LECTURE

R.S. Hullon, M.D., J.D. (Nov. 5, 6 & 7)

Registration: 7:45 AM – 8:30 AM

Morning Lecture: 8:30 AM – 10:00 AM

- **Our "Three Brains":** How They Are Affected by Dementia.
- **The Brain And Memory:** How We Remember And Forget.
- **The Four Stages of Memory:** Sensory, Short-Term, Long-Term, and Retrieval.
- **The Two Separate Memory Systems:** Declarative Memory and Procedural Memory.
- **The Accuracy Of Our Memories:** Reconstructing Memories. Do We All Confabulate?
- **Myths And Realities Of The Aging Brain:** Do We Lose Thousands of Neurons a Day?

Mid-Morning Lecture: 10:00 AM – 11:30 AM

- **Brain Push-Ups:** Can Mental Exercises Slow or Stop Brain Aging and Memory Loss? Does Doing Crossword Puzzles Protect The Brain From Aging And Dementia?
- **The Exercise Question:** Physical Exercise vs. Mental Exercise.
- **Brain Aging And Memory:** Do All Types of Memory Deteriorate As We Age?
- **Super-Agers:** Amazing People Who Maintain Excellent Memory in Advanced Age.
- **Increased Forgetting:** Is It Normal With Aging? Age-Associated Memory Impairment and Mild Cognitive Impairment.
- **Reversible Dementias:** Secondary Dementias Such As Depression, Normal Pressure Hydrocephalus, Metabolic Disorders, and Cognitive Dysfunction.

Lunch: 11:30 AM – 12:20 PM

Afternoon Lecture: 12:20 PM – 2:00 PM

- **Huntington's Disease:** How One Bad Gene Can Cause An Irreversible Dementia.
- **The Surprising Cause Of Many Dementias:** Misfolded and Unfolded Proteins.

- **Sex, Gender, And Dementia:** Are There Sex Differences In Many Dementias? Do More Women Develop Alzheimer's Disease? Some Surprising Facts.
- **Teeth, Gums, and Dementia:** Does Gum Disease Raise the Risk of Dementia? How to Evaluate and Treat Dental Patients with Dementia.
- **The Road to Parkinson's Disease:** Alpha Synuclein Protein Unfolding To Lewy Bodies To Substantia Nigra Deterioration To Basal Ganglia Malfunction.
- **Football, Boxing, and Dementia:** Multiple Concussions, Traumatic Brain Injury and Alzheimer's Disease. Military Implications.
- **The Great Mystery:** What Triggers Alzheimer's Disease? Amyloid Hypothesis, Tau Hypothesis, Acetylcholine Depletion, Inflammation, Vascular Changes, Oxidative Stress, Excitotoxicity, Myelin Sheath Deterioration, Blood-Brain Barrier Dysfunction.

Mid-Afternoon Lecture: 2:00 PM – 3:20 PM

- **Veins and Brains:** The Cardiovascular-Alzheimer's Connection.
 - **Can Alzheimer's Disease Be Prevented?** Reducing the Risk of Alzheimer's.
 - **Early Warning Signs of Alzheimer's Disease:** What To Look For.
 - **Can Alzheimer's Disease Be Accurately Diagnosed** Years Before Symptoms Appear?
 - **Treatments For Alzheimer's Disease:** What Are They? Do They Work?
 - **New Experimental Treatments for Alzheimer's.** Do They Work? Can We Be Vaccinated? The Future of Alzheimer's Research.
 - **Ten Signs of Caregiver Stress: Coping with Exhaustion and Heartache.**
- Evaluation, Questions, and Answers: 3:20 PM – 3:30 PM**

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MEETING TIMES & LOCATIONS

EDMONTON, AB

Thu., Oct. 23, 2014
8:30 AM to 3:30 PM
Edmonton Hotel & Conv. Ctr.
4520 76th Avenue
Edmonton, AB

CALGARY, AB

Fri., Oct. 24, 2014
8:30 AM to 3:30 PM
Holiday Inn
4206 Macleod Trail S.
Calgary, AB

CALGARY, AB

Wed., Nov. 5, 2014
8:30 AM to 3:30 PM
The Glenmore Inn
2720 Glenmore Trail SE
Calgary, AB

RED DEER, AB

Thu., Nov. 6, 2014
8:30 AM to 3:30 PM
I-Hotel 67 Street
6500 67 Street
Red Deer, AB

EDMONTON, AB

Fri., Nov. 7, 2014
8:30 AM to 3:30 PM
Edmonton Hotel & Conv. Ctr.
4520 76th Avenue
Edmonton, AB

INSTRUCTORS

Dr. Nikita Katz (M.D., Ph.D.) is a full-time physician-lecturer for INR. Dr. Katz has practiced as a board-certified physician and has served as a lecturer and full-time researcher at the University of Utah Medical School. In the fields of neuroscience, molecular biology, protein biochemistry, and artificial intelligence.

Dr. Katz is the author of numerous scientific publications and monographs. To audiences of health professionals, Dr. Katz is a frequent lecturer and invited guest speaker. He has presented programs in the fields of brain science, aging, pharmacology, nutrition, and the treatment of disease.

Dr. R.S. Hullon (M.D., J.D.) is a full-time physician-lecturer for INR. Dr. Hullon is a physician and surgeon specializing in trauma and orthopedics. His medical experience includes diagnosis and treatment of infectious diseases, neurological disorders, neurodegenerative diseases (multiple sclerosis, Parkinson's, and Alzheimer's diseases) and psychiatric disorders (personality and mood disorders). His medical experience also includes diagnostic laboratory work, particularly in hematology.

Biomed reserves the right to change instructors without prior notice. Every instructor is either a compensated employee or independent contractor of Biomed.

ACCREDITATION INFORMATION

This program is designed to provide nurses with the latest scientific and clinical information and to upgrade their professional skills. Numerous registered nurses in Canada and the United States have completed these courses.

Biomed is an approved provider of continuing nursing education by the Arizona Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

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TUITION \$109

CHECKS: \$109.00 (CANADIAN) per person with pre-registration or \$134.00 (CANADIAN) at the door if space remains. **CREDIT CARDS: Most credit-card charges will be processed in Canadian dollars. Some charges will be in U.S. dollars at the prevailing exchange rate.** The tuition includes all applicable Canadian taxes. At the seminar, participants will receive a complete course syllabus and a receipt for tuition payment.

TO REGISTER

Please complete and return the registration form below. Or register toll-free with Visa, MasterCard, American Express, or Discover by calling **1-888-724-6633**. Or fax a copy of your completed registration form—including Visa, MasterCard, American Express, or Discover Number—to (925) 687-0860. Or register online at www.biomedglobal.com.

REGISTRATION INFORMATION

Please register early and arrive before the scheduled start time. Space is limited. Attendees requiring special accommodation must advise Biomed in writing at least 50 days in advance and provide proof of disability. Registrations are subject to cancellation after the scheduled start time. A transfer at no cost can be made from one seminar location to another if space is available. Registrants cancelling up to 72 hours before a seminar will receive a tuition refund less a \$35.00 (CANADIAN) administrative fee or, if requested, a full-value voucher, good for one year, for a future seminar. Other cancellation requests will only be honored with a voucher. Cancellation or voucher requests must be made in writing. If a seminar cannot be held for reasons beyond the control of the sponsor (e.g., acts of God), the registrant will receive free admission to a rescheduled seminar or a full-value voucher, good for one year, for a future seminar. A \$35.00 (CANADIAN) service charge applies to each returned cheque. A \$15.00 fee will be charged for the issuance of a duplicate certificate. Fees are subject change without notice. **The rate of exchange used will be the one prevailing at the time of the transaction.**

Please check course date:

- Thu., Oct. 23, 2014 (Edmonton, AB)
- Fri., Oct. 24, 2014 (Calgary, AB)
- Wed., Nov. 5, 2014 (Calgary, AB)
- Thu., Nov. 6, 2014 (Red Deer, AB)
- Fri., Nov. 7, 2014 (Edmonton, AB)

PLEASE RETURN FORM TO
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