

THREE-HOUR LIVE WEBINAR

Sat., Oct. 7, 2023

(REGISTRATION FORM)

PARKINSON'S DISEASE & RELATED SYNDROMES

- A CLINICAL UPDATE -

LIVE WEBINAR:

Sat., Oct. 7, 2023, 12:00 PM – 3:30 PM, (Eastern Time)

or 11:00 AM – 2:30 PM, (Central Time)

or 9:00 AM – 12:30 PM, (Pacific Time)

\$69 – Pre-Registration Rate: Live Webinar with 3 hours of CE credit.

Registrants will need a computer with a good Internet connection and audio speakers (or headphones) to participate in the live Webinar.

Please note special discounts for homestudy purchase are available for students who are registered for webinars. Please email INR at info@biocorp.com for more information.

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There are four ways to register:

- 1) **Internet:** www.INRseminars.com
- 2) **Mail:** INR, P.O. Box 5757, Concord, CA 94524-0757
(Make check payable to INR.)
- 3) **Fax:** (925) 373-7798
- 4) **Phone:** 1-800-937-6878

Inquiries for Customer Service: 1-877-246-6336 or (925) 609-2820

Purchase orders are accepted. Tax Identification No. 94-2948967

ACCREDITATION

To obtain the 3 contact hours associated with this course, the health care professional will need to sign in, attend the course, and complete program evaluation forms. At the end of the program, the health care professional successfully completing the course will receive a statement of credit. This is an intermediate-level course.

NURSES (RNs, NPs, & LPNs)

Institute for Natural Resources (INR) is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation.

This program provides 3 contact hours for nurses, including 3 Rx contact hours of pharmacology CE. INR has been accredited as a continuing education provider by the Florida Board of Nursing (#50-3026-1), the Iowa Board of Nursing (#288) for 4 contact hours, and the California Board of Registered Nursing (CEP #06136) and the Kansas Board of Nursing (#LT0140-0927) for 3.6 contact hours.

DENTAL PROFESSIONALS

INR is an ADA CERP Recognized Provider. ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry. INR designates this activity for 3 hours of continuing education credits.

PHARMACISTS

Institute for Natural Resources is accredited by the Accreditation Council for Pharmacy Education (ACPE) as a provider of continuing pharmacy education. The ACPE universal activity number (UAN) for this course is 0751-0000-23-064-L01-P. This is a knowledge-based CPE activity.



REGISTERED DIETITIANS & DTRS

This program awards 3 hours of CPEUs in accordance with the Commission on Dietetic Registrations provider programs. This course has Activity Number 178157 and suggested Performance Indicators: 10.5.2 and 12.3.6, CPE Level: 1.

PSYCHOLOGISTS

Under CE Broker # 50-3026, INR is an approved provider by the Florida Board of Psychology. The Institute for Natural Resources (INR) is approved by the CPA OPD to sponsor continuing professional education for psychologists. INR maintains responsibility for this program and its content. Psychologists must attend the seminar in its entirety and complete the course evaluation in order to receive credit. Under License #PSY000214, the Pennsylvania Board of Psychology has approved INR as a sponsor/provider of CE programs. Under Sponsor #268.000096, the Illinois Dept of Prof Regulation for Psychologist Licensing and Disciplinary Board has approved INR as a CE sponsor. Institute for Natural Resources (INR) is recognized by the NY SED State Board for Psychology as an approved provider of continuing education for licensed psychologists #PSY-0042.

MENTAL HEALTH COUNSELORS, MFTs, & ADDICTION COUNSELORS

Institute for Natural Resources (INR) is recognized by the NY SED State Board for Mental Health Practitioners as an approved provider of continuing education for licensed mental health counselors, #MHC-0089. Under Sponsor #00088989 and Approval #60007974209, CRCC has approved this course for three contact hours. Under Sponsor #197-000240, the Illinois Dept of Prof Regulation has approved INR as a CE sponsor for professional/clinical counselors. Institute for Natural Resources (INR) is recognized by the NY SED State Board for Mental Health Practitioners as an approved provider of continuing education for licensed marriage and family therapists. #MFT-0055. Under Sponsor #168.000243, the Illinois Dept of Prof Regulation has approved INR as a CE sponsor for marriage and family therapists. Under CE approval #NVCEP2021, the Nevada Board of Examiners for MFT and CPC has approved INR as a sponsor. INR is approved by the NAADAC Approved Education Provider Program, Provider #182846.

SOCIAL WORKERS

Institute for Natural Resources (INR), SW CPE is recognized by the NY SED State Board for Social Work as an approved provider of continuing education for licensed social workers #0195. The California Board of Behavioral Sciences will accept courses approved by the California Psychological Association. Institute for Natural Resources, #1356, is approved to offer social work continuing education by the Association of Social Work Boards (ASWB) Approved Continuing Education (ACE) program. Organizations, not individual courses, are approved as ACE providers. State and provincial regulatory boards have the final authority to determine whether an individual course may be accepted for continuing education credit. Institute for Natural Resources maintains responsibility for this course. ACE provider approval period: 02/28/2022–02/28/2025. Social workers completing this course receive 3 continuing education credits. Under Sponsor #159-000260, the Illinois Dept of Prof Regulation has approved INR as a sponsor of continuing social work education.

OCCUPATIONAL THERAPISTS & OTAs

INR is an AOTA Approved Provider of continuing education. Provider #5347. INR has assigned 0.3 AOTA CEUs for this course. The category of this course is Foundational Knowledge. The assignment of AOTA CEUs does not imply endorsement of specific course content, products, or clinical procedures by AOTA.

PHYSICAL THERAPISTS & PTAs

The Florida Physical Therapy Association has approved this course for 3 contact hours (Approval # CE 23-946103). Accreditation of this course does not necessarily imply the FPTA supports the views of the presenter or the sponsors. INR is recognized as an approval agency to approve providers offering continuing competency courses by the Physical Therapy Board of California. This course has been approved by the Institute for Natural Resources (INR) for 3 continuing competency units. The NY SED has approved INR as a sponsor of continuing physical therapy education.

CASE MANAGERS

This program has been pre-approved by The Commission for Case Manager Certification to provide continuing education credit to Certified Case Managers (CCMs).

NURSING HOME ADMINISTRATORS (Distance Learning)

This program has been submitted for Continuing Education through NAB/NCERS for 3 total participant hours from NAB/NCERS. Please visit <https://www.nabweb.org/continuing-education> and choose "NAB Approved CE Database" for the most current approved courses.

OTHER HEALTH PROFESSIONALS

Participants successfully completing this course will receive course completion certificates. For rules governing continuing education credit, participants should contact their respective regulatory boards.



PARKINSON'S DISEASE



& RELATED SYNDROMES

- A CLINICAL UPDATE -

A NEW 3-HOUR LIVE WEBINAR

SCHEDULE

Please see the Registration Form for the seminar schedule.

Please register early. Space is limited. Registrations are subject to cancellation after the scheduled start time. A transfer can be made from one Webinar to another if space is available. Registrants cancelling up to 72 hours before a Webinar will receive a tuition refund less a \$25.00 administrative fee or, if requested, a full-value voucher, good for one year, for a future Webinar. Cancellation or voucher requests must be made in writing. If a Webinar 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 Webinar or a full-value voucher, good for one year, for a future Webinar. A \$25.00 service charge applies to each returned check. Nonpayment of full tuition may, at the sponsor's option, result in cancellation of CE credits issued. The syllabus is not available for separate purchase. Fees subject to change without notice.

SPONSOR

INR (Institute for Natural Resources) is a non-profit scientific organization dedicated to research and education in the fields of science and medicine. INR is the nation's largest provider of live continuing education programs, offering over 600 live programs yearly.

INR has no ties to any ineligible organizations and sells no products of any kind, except educational materials. Neither INR nor any instructor has a material or other financial relationship with any health care-related business that may be mentioned in an educational program. If INR were ever to use an instructor who had a material or other financial relationship with an entity mentioned in an educational program, that relationship would be disclosed at the beginning of the program. INR takes all steps to ensure that all relevant program decisions are made free of the control of a commercial interest as defined in applicable regulatory policies, standards, and guidelines. INR does not solicit or receive gifts or grants from any source, has no connection with any religious or political entities, and is totally supported by its course tuition.

INR's address and other contact information follows:

P.O. Box 5757, Concord, CA 94524-0757

Customer service: 1-877-246-6336 or (925) 609-2820

Fax: (925) 373-7798

E-Mail: info@inrseminars.com; website, www.INRseminars.com

Tax Identification Number 94-2948967.

Education expenses (including enrollment fees, books, tapes, travel costs) may be deductible if they improve or maintain professional skills. Treas. Reg. Sec. 1.162-5. Recording of the seminar, or any portion, by any means is strictly prohibited. INR's liability to any registrant for any reason shall not exceed the amount of tuition paid by such registrant.

For American Disability Act (ADA) accommodations or for addressing a grievance, please send the request by email to info@inrseminars.com or by fax to (925) 363-7798. For ADA matters (including sign-language interpreters), INR would appreciate advance notice so as to ensure our ability to provide the appropriate accommodation.

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Frequently Asked Questions

Q: What do I have to do to complete the live Webinar successfully?

To obtain the 3 contact hours associated with this course, the health professional will need to sign-in (by typing in the chat-box), attend the course online, and complete the program evaluation form and post-test electronically. At the end of the program, after all the evaluation and post-tests are accounted for, the health professional successfully completing the program will receive a statement of credit. This will take approximately 3 to 5 business days. This is an intermediate-level course.

Q: How will I know that my profession qualifies for continuing education credit?

Please see the section marked Accreditation. All professions for which INR (Institute for Natural Resources) has approval are listed in the Accreditation section.

Q: What happens if I have technical difficulties watching or hearing a Webinar?

You can transfer the tuition paid to another Webinar within two years or request a recording within 3 to 5 days to complete the webinar ASAP for live credit.

Q: My profession is not listed on the brochure. Is it possible to obtain continuing-education credit?

Possibly. Please contact INR's customer-service office at 1-877 246-6336 or by email at info@biocorp.com. The customer-service office can tell you if INR has approval for your profession.

COURSE SUMMARY

This webinar attempts to bridge the knowledge gaps identified in recent clinical studies in both care providers and sufferers of Parkinson's disease (PD) and related conditions ("Parkinson-Plus", PD+).

Based on the most current and up-to-date evidence published as peer-reviewed clinical papers in leading journals, Dr. Katz will review the most current guideline-level recommendations as well as ongoing developments in the fields of neurodegenerative conditions characterized by the dysfunction of dopaminergic neurons. The four main segments of this webinar include:

1. Recognition of early signs, motor and non-motor presentations of Parkinson's Disease, Parkinson-Plus, and the potentially confounding Normal Pressure Hydrocephalus.
2. Identification of modifiable risk factors for development, progression and complications of PD/PD+ and strategies of education of patients, families and caregivers on risk reduction.
3. Evaluation of the 7 classes of PD medications as well as the atypical antipsychotics for PD-associated dementia, their efficacy and potential adverse effects.
4. Practical approaches to common challenges as PD/PD+ progresses: falls, GI problems, oral and dental health issues, anhedonia and mood abnormalities, nutritional deficits and the use of nutritional interventions.

These aspects of current practical approaches are especially valuable for health care professionals as they are on the forefront of both short-term and long-term care for persons with PD/PD+. The webinar will provide both foundational and applied knowledge for generation of health care plans. This webinar would be of high professional and practical value to the health care professional. There will be an interactive Q&A opportunity with Dr. Katz at the end of the webinar.

Disclaimer: These live interactive INR presentations provide continuing education for health care and mental health professionals with the understanding that each participant is responsible to utilize the information gained in an appropriate manner congruent with his/her/their scope of licenses.

PROGRAM/LECTURE

HOOR 1

- **Essentials of Parkinson's Disease:** What it is, What Causes It, How it's Recognized. Investigations into Known Risk Factors: Genetic Predisposition, Family History, Herbicide/Pesticide Exposure, Head Trauma.
- **Non-Motor Manifestations of Parkinson's Disease:** The Importance of a Good Medical History. Depression, Anxiety, Cognitive Changes, Fatigue, Sleep Disorders, Anosmia, Autonomic Dysfunction, Pain, Paresthesias, and Seborrhic Dermatitis.
- **Motor Manifestations of Parkinson's Disease:** The Importance of a Good Physical Exam. Resting Tremor, Cogwheel Rigidity of Joints, Bradykinesia, Akinesia (Difficulty Initiating Movement), Mask-Like Facies (Little Expression, Slightly Open mouth, Reduced Blinking), Freezing of Gait, Micrographia, Hypophonia (Mumbled, Monotone, Stuttering Dysarthria), Frequent Falls, Festinating Gait (Short Steps, Shuffling, Difficulty Turning and Stopping), Minimal Arm Swing.
- **Dementia and Additional Neurologic Problems in Parkinson's:** Degenerative and Progressive. Anomia, Short-Term Memory Loss, Daytime Somnolence, Space-time Disorientation, Urinary Hesitancy/Urgency and Incontinence, Dysphagia, Constipation, Orthostatic Hypotension, and Difficulty Rising from a Chair

BREAK: 15 MINUTES

HOOR 2

- **Parkinson-like Disorders:** Secondary and Atypical Parkinsonism. Drug and Toxin-Induced Syndromes. Progressive Supranuclear Palsy, Dementia with Lewy Bodies, Corticobasal Degeneration, Multiple System Atrophy.
- **Medications for Parkinson's Disease:** Levodopa and Dopamine Agonists, Anticholinergics, MAO-B Inhibitors, COMT Inhibitors, NDMA Antagonists, and Adenosine Antagonists. Understanding the Approaches to Pharmacological Management of Motor and Non-Motor Symptoms as well as OFF Phenomenon.
- **The New Class of Atypical Antipsychotics:** Selective Serotonin Inverse Agonists (SSIA). How Useful are SSIA Drugs (Pimavanserin) for Hallucinations and Delusions in Parkinson's (PD) and Parkinson Plus Syndrome (PD+)?
- **Deep Brain Stimulation for Parkinson's Disease:** Who Qualifies and What Are Advantages and Risks?
- **Addressing Caregiver and End-of-Life Issues.** Qualification for Respite Care. Maximizing Quality of Life.

BREAK: 15 MINUTES

HOOR 3

- **Optimal Oral and Dental Care in the Patient with Neurologic Disease:** Daily Routines and Preventive Care. Compensating for Tremors with Sonic Brushing and Water Flossing Devices. Xerostomia (Dry Mouth) Due to Medications. What Frequency of Professional Cleaning Should Be Recommended?
- **Maximizing Activity, Maintaining Function:** The Importance of Movement. What Exercise Is Best: Muscle Strength Building or Aerobic?
- **Physical Therapy and Occupational Therapy:** Getting the Early Help. Improving Gait Freezing and Reducing the Risk of Falls in Parkinson's (PD) and Parkinson Plus Syndrome (PD+).

PROGRAM/LECTURE (cont.)

- **Nutritional Challenges and Gastrointestinal Problems.** Swallowing Disorders and Constipation. Guidance on Timing of Protein Intake for Patients on Levodopa.
- **Vitamins B6, B12 and Folate (B9):** Which Vitamin Is Associated with Reduced Risk of Parkinson's (PD) and Parkinson Plus Syndrome (PD+)?
- **Popular Supplements:** Coenzyme Q, Creatine, Glutathione, EGCG (Green Tea Polyphenols) and Other Antioxidants — What Evidence Currently Exists for Nutritional Interventions?

Questions Answers, Course Quiz Review, & Evaluation

LEARNING OBJECTIVES

Participants completing this course will be able to:

- 1) identify the signs and symptoms of Parkinson's disease and Parkinson-like syndromes, their motor and non-motor manifestations.
- 2) describe the medications used in management of Parkinson's disease, their effectiveness, adverse effects and interactions.
- 3) describe the appropriate non-drug strategies to reduce the risk of falls, nutritional deficiencies, and dental problems in patients with neurologic disease.
- 4) outline the modifiable risk factors for Parkinson's disease and related syndromes in regard of lifestyle, physical activity, nutrition and environmental factors.
- 5) describe how the information in this course can be utilized to improve patient care and patient outcomes in the fields of nursing, pharmacy, dentistry, mental health, dietetic, occupational and physical therapy, and allied health professionals.

INSTRUCTOR

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. Dr. Katz is a recognized expert in the field of emerging threats. He is the author of INR Seminars "Germ Alert," "The Virus," and "Opioids and Marijuana: Managing the Nationwide Emergency." Dr. Katz has given continuing education seminars and webinars to over 100,000 health professionals with great evaluations.

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

SYSTEM REQUIREMENTS

For system requirements to participate in INR's live webinars, please visit Zoom's website at <https://support.zoom.us/hc/en-us/articles/201362023-Zoom-system-requirements-Windows-macOS-Linux>.