

FOUR-HOUR LIVE WEBINAR

Tuition: \$69

(REGISTRATION FORM)

MEDICAL TECHNOLOGIES FOR HEALTH PROFESSIONALS TRACKING SLEEP, ANXIETY, & CARDIAC HEALTH WITH WEARABLE CONSUMER MEDICAL DEVICES

(A NEW 4-HOUR INTERACTIVE LIVE WEBINAR)

Please Check One Option Below:

LIVE WEBINAR:

Sun., June 26, 2022, 12:00 PM – 4:15 PM, (Eastern Time)
or 9:00 AM – 1:15 PM, (Pacific Time)

Thu., July 28, 2022, 12:00 PM – 4:15 PM, (Eastern Time)
or 9:00 AM – 1:15 PM, (Pacific Time)

Tue., Aug. 30, 2022, 12:00 PM – 4:15 PM, (Eastern Time)
or 9:00 AM – 1:15 PM, (Pacific Time)

\$69 – Pre-Registration Rate: Live Webinar with 4 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.

Name (please print) _____

Home Address _____

City/State _____ Zip _____

Work Phone _____ Home Phone _____

Fax _____

Email _____

Profession _____ License No. _____

Pharmacists only: NABP # _____ Date of Birth _____ mm / dd / yy

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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) 687-0860
- 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 4 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 4 contact hours for nurses, including 4 Rx contact hours of pharmacology CE. INR has been accredited as a continuing education provider by the Florida Board of Nursing (#50-3026), 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 4.8 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 4 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 0751-0000-20-099-L04-P.



REGISTERED DIETITIANS & DTRS

INR, under Provider Number IN001, 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 4 hours worth of continuing professional education units (CPEUs) for completion of this program/materials. Continuing Professional Education Provider Accreditation does not constitute endorsement by CDR of a provider, program, or materials. CDR is the credentialing agency for the Academy of Nutrition and Dietetics. This course has Activity Number 159246 and Performance Indicators: 8.2.1, 8.2.3, 8.2.4, and 8.3.7. CPE Level: I.



PSYCHOLOGISTS, MENTAL HEALTH COUNSELORS, & ADDICTION COUNSELORS

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 Sponsor #268.000096, the Illinois Dept of Prof Regulation for Psychologist Licensing and Disciplinary Board has approved INR as a CE sponsor. Under License #PSY000214, the Pennsylvania Board of Psychology has approved INR as a sponsor/provider of CE programs. 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. Under Sponsor # 00088989 and Approval # 60007947430, CRCC has approved this course for four contact hours. 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 #197-000240, the Illinois Dept of Prof Regulation has approved INR as a CE sponsor for professional/clinical counselors. INR is approved by the NAADAC Approved Education Provider Program, Provider #182846.

SOCIAL WORKERS & MARRIAGE & FAMILY THERAPISTS

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 4 clinical continuing education credits. This course "Medical Technologies for Health Professionals," Approval #210508-559 provided by INR, is approved for continuing education by the New Jersey Social Work Continuing Education Approval Collaborative, which is administered by NASW-NJ. CE Approval Collaborative Approval Period: 09/01/20 through 08/31/22. New Jersey social workers will receive four (4) Clinical CE credits for participating in this course. 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 ASWB. Under Sponsor #159-000260, the Illinois Dept of Prof Regulation has approved INR as a sponsor of continuing social work education. 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.

OCCUPATIONAL THERAPISTS & OTAs

INR is an AOTA Approved Provider of continuing education. Provider #5347. INR has assigned 0.4 AOTA CEUs for this course. The category of this course is OT Service Delivery. The assignment of AOTA CEUs does not imply endorsement of specific course content, products, or clinical procedures by AOTA.

ACCREDITATION (cont.'d)

PHYSICAL THERAPISTS & PTAs

The Florida Physical Therapy Association has approved this course for 4 contact hours (Approval #CE 22-764569). 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 4 continuing competency units. The New York State Dept of Education has approved INR as a sponsor of continuing physical therapy education. Under Sponsor #216-000264, the Illinois Dept of Prof Regulation has approved INR as a sponsor for 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 4 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.

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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. A \$15.00 fee will be charged for the issuance of a duplicate certificate. 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 seminars yearly.

INR has no ties to any commercial 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, standard, 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) 687-0860

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.

MEDICAL TECHNOLOGIES FOR HEALTH PROFESSIONALS

Frequently Asked Questions

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

To obtain the 4 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

Home-based medical technologies are now available for patients to collect a substantial quantity of personal medical data for the purpose of lifestyle modification and increased health and fitness. Patients who collect and act on this data can interact in real-time with medical professionals to monitor daily physical activity, daily blood glucose monitoring, body mass changes, and sleep performance.

The technologies to be explored and discussed in this course include:

- Body fat scales that measure body weight, estimated fat, muscle, and bone percentage with sensors utilizing bioelectrical impedance and customized algorithms.
- Needle-free glucose monitors utilizing ultrasonic, electromagnetic, and thermal measuring technology to non-invasively test a patient's blood glucose level.
- Smart wearable sleep technology that will measure heart rate, respiration, body temperature, movement, pulse oximetry, and heart-rate variability during sleep.
- Bed cooling technology that will "chill" an individual's sleep space allowing for more comfortable and deeper sleep.
- Blue-light filtering glasses to prevent circadian melatonin pulse dysregulation at night during prolonged electronic screen illumination.
- Personal DNA based analytics to assist in "food choices", diet modification, and microbiome analysis.
- Real time Heart Rate Variability Measurement to allow for training of resilience and behavioral flexibility, potentially allowing an individual to adapt more effectively to stress and environmental demands.

These devices and technologies are increasingly becoming more mainstream and are a necessary educational addition for medical professionals.

Dr. Bornstein has no material, financial or other relationship with any health care related business or other entities whose products or services may be discussed in or directly affected in the marketplace by this presentation.

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

Registration: 30 Minutes Prior to Start Time

Diet and Weight Loss Technologies - 90 Minutes

- Obesity: History of Obesity in the United States.
- Smart Scales: Smartphones Connected to Smart Scales Can Help Measure and Track Weight, Muscle Mass, Bone Mass, BMR (Basal Metabolic Rate), and BMI (Body Mass Index).
- Personal Glycemic Response to Foods - Needle Free Glucose Monitoring: Personalized Nutrition by Prediction of Glycemic Response. It is Now Possible to Measure Personal Glycemic Response to Foods without a Needle-Stick. New Home-Based Technology Will Monitor Glucose Response to Specific Foods, Allowing Individuals to Avoid Foods That Are Unhealthy for their Unique Metabolism.
- Fitness, Health and Microbiome DNA Testing: The Technology is Now Available to Facilitate Genetic Insights into Diet, Nutrient, Fitness, Exercise, Microbiome, and Training for Optimal Health.

Break - 15 Minutes

Sleep Enhancing Technologies - 90 Minutes

- Smart Sleep Technologies: Simple Wearable Sleep Measurement Devices Can Measure Sleep Quality from Night to Night. Patients Can Track Time Spent in Deep, REM, and Light Sleep, Sleep Onset, and Heart Rate Variability during the Night. Patients Can Adjust Pre-Sleep, Eating and Exercise Routines to Enhance Sleep and Cellular Repair Processes.
- Cool-Sleep Technology: Core Body Temperature Should Naturally Drop Every Night. Technology is Now Available to Personalize Sleep Microclimate and Allow for Better Rest and Deep Sleep.
- Blue Light Suppression: Too Much Blue Light From LEDs, Smartphones, and Computers Inhibits a Proper Circadian Melatonin Pulse. It is Now Possible to Suppress Blue Light Entering One's Eyes for the 90 Minutes Leading Up to Bed-Time, to Properly Regulate Normal Circadian Sleep Cycles.

Break - 15 Minutes

Blood Pressure, Cardiac Health & Anxiety Control Technologies - 60 Minutes

- Smart Blood Pressure and Cardiac Rhythm Technologies: Simple Wearable Devices Can Measure Blood Pressure and Cardiac Rhythm Changes in Response to Exercise, Foods and Medications.
- Heart Rate Variability Measurement: Technology is Now Available to Track Personal Heart Rate Variability Which Allows a Person to "Train" the Emotional Responses and Alter Autonomic and Sympathetic Nervous System Responses to Stress and Daily Activity. These Markers of Physiologic Resilience and Behavioral Flexibility May Allow a Patient to Adapt More Effectively to Stress and Environmental Demands.

LEARNING OBJECTIVES

Participants completing this course will be able to:

- 1) list the types of physical parameters and body functions that smart scales (that are often on smart phones) can track and measure.
- 2) describe the home-based technology that is available to measure a patient's glucose level in response to different foods. Explain why this may be important for a patient with diabetes.
- 3) list one positive and one negative aspect of home DNA (genetic) testing for learning more about one's personal health information.
- 4) list 3 types of technologies available for measuring and enhancing sleep.
- 5) discuss why regularly measuring personal blood pressure and heart rate changes might be important. List the types of technology that are available for these purposes.
- 6) describe how the information in this course can be utilized across the disciplines to improve patient care outcomes.

INSTRUCTOR

Dr. Eric Bornstein (Chief Medical Officer, DMD) is the former Chief Medical Officer of Nomir Medical Technologies, and is a biochemist, dentist, and photo-biologist. He has successfully taken three medical device through to FDA 510k approval. Dr. Bornstein has managed five human clinical trials and has patented multiple medical technologies in the areas of lasers, photo-biology, circadian rhythm, adipose tissue modification, and biofilm eradication. Dr. Bornstein is widely published in peer-reviewed journals such as "Current Trends in Microbiology" and "Compendium." For the past five years, he has delivered continuing education seminars and webinars to over 100,000 health care professionals. His lectures encompass the subjects of pharmacology, marijuana, vaping, opioids, hallucinogens, drug abuse, periodontal disease and medical devices. Dr. Bornstein has lectured all over the United States, Canada, Mexico, the UK, Germany, and Israel.

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