



ISEN International Society for ECT and Neurostimulation



2021 VIRTUAL EVENTS

ECT Certificate Course | April 17-18, 2021

30th Annual Meeting | April 24-25, 2021



ISEN: The Society



The International Society for ECT and Neurostimulation (ISEN), formerly the Association for Convulsive Therapy (ACT), was established in 1976 and incorporated as a nonprofit, tax exempt corporation in 1993. ISEN is an international organization dedicated to promoting the safe, ethical, and effective use of Electroconvulsive Therapy (ECT) and other brain stimulation therapies for the treatment of neuropsychiatric illness through education and research.

Activities through which this mission is accomplished include co-sponsorship of *The Journal of ECT* (the official journal of the ISEN), sponsorship of courses on ECT at the annual meeting of the American Psychiatric Association (APA), the ISEN Annual Meeting

and Scientific Program (traditionally held in person on the first Sunday of the APA Annual Meeting), an annual certification course for ECT, co-sponsorship of other scientific meetings and ECT training courses throughout the year, and the convening of task forces regarding ECT issues.

2021 marks the first year that ISEN will host live virtual events. The Annual Meeting is set to include plenary presentations by leading experts in the fields of ECT, TMS, and other novel brain stimulation therapies, as well as a poster session for abstract submissions. The course will consist of didactic and practicum experiences, and conclude with an online certification exam. Members enjoy the benefit of discounted registration rates.



Membership Annual Dues



The Annual Dues Include:

- a one-year subscription to *The Journal of ECT*
- full-text online version of *The Journal of ECT*
- full access to the ISEN Internet website, including Membership Directory, Discussions, and ISEN e-news

The Annual Dues Are as Follows:

- United States with *The Journal of ECT* \$395
- Non-United States with *The Journal of ECT* \$445
- Membership without *The Journal of ECT* \$205
- Members-in-training \$100

To Join the ISEN:

To join the International Society for ECT and Neurostimulation (ISEN) *or* to renew your membership for 2021, please visit our website at www.isen-ect.org.



Important Event Notes



Refund Policy

A refund of the registration fee, less an \$85 processing fee, will be made when an email-written request followed by an email-written confirmation is received prior to April 9, 2021. After this date, refunds cannot be made. Fees will not be refunded for failure to participate. The sponsors of the course reserve the right to cancel or postpone any conference because of unforeseen circumstances or insufficient enrollment. In the event of such cancellations, full tuition will be refunded. ISEN reserves the right to refuse registration, or refund registration fees, to any person whose presence has the potential to be disruptive and/or not consistent with the mission and goals of the organization.

Virtual Events and Digital Materials

These live virtual events will be hosted via Zoom Video Webinar. Registrants will have access to program information, including slide sets received from speakers in advance of the meeting, via a password-protected page on the ISEN website.

Disclosure of Commercial Relationships

In compliance with the ACCME Standards for Commercial Support, all individuals in a position to control/influence the content of this activity are required to disclose relevant financial interests with any commercial interests and/or non-FDA approved use of a drug or a device that is included in the presentation.

Enhancing Communication

If you require assistance with hearing or vision to make this conference accessible to you, please email meetings@isen-ect.org at least three weeks prior to the event date.



ECT Course Overview

Intended Audience

Since its development in 1938, electroconvulsive therapy has remained a crucial part of the psychiatrist's armamentarium in the treatment of major mental illness. Continued research has resulted in numerous refinements in treatment technique. Recommendations in the last decade regarding optimal practice have included important new ideas regarding patient selection, stimulus dose titration, and outpatient maintenance strategies. The International Society for ECT and Neurostimulation (ISEN), in accordance with its mission to promote the safe and effective use of ECT, commissioned a task force in 1997 to study the training and credentialing of clinicians in this treatment modality. As a result of this task force, this full-day course on ECT, with exam, was developed. This course has been developed for psychiatrists, other physicians, and nurses involved in the administration of ECT.

Objectives

At the conclusion of the course, participants should be able to

- identify the indications for electroconvulsive therapy and appropriateness of patients,
- evaluate patients to determine appropriateness for unilateral or bilateral treatment,
- understand stimulus settings for present ECT devices,
- identify and manage common ECT complications,
- develop effective continuation and maintenance treatment strategies for patients with recurrent illness.

Continuing Education Information

This activity provides continuing education credit for physicians and psychologists. This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the collaboration of AffinityCE and ISEN. AffinityCE is accredited by the ACCME to provide continuing medical education for physicians.

AffinityCE designates this live CME activity for a maximum of 6.75 hours of *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AffinityCE is approved by the American Psychological Association to sponsor continuing education for psychologists. AffinityCE maintains responsibility for this program and its content. The instructional level of this activity is intermediate. The cost to participate in this CE activity is included in the activity registration fee.

Nurses and other health professionals can receive a participation certificate that states that this activity provides *AMA PRA Category 1 Credit(s)*[™]. This may be used for continuing education credit. Please consult your accrediting organization or licensing board for their acceptance of this CE activity.

Practicum sessions will give attendees sufficient time to complete the course objectives. However, ISEN does not certify the competency of any individual.



ECT Certificate Course Agenda

Saturday, April 17, 2021

| Start | End | Session |
|-----------|-----------|---|
| 9:45a ET | 10:00a ET | Welcome and Opening Remarks Richard Jaffe, MD |
| 10:00a ET | 10:45a ET | Patient Selection, Preparation, and Management in ECT Richard Jaffe, MD |
| 10:45a ET | 11:30a ET | Practicum Session Patient Monitoring W. Vaughn McCall, MD, MS |
| 11:30a ET | 12:00p ET | Morning Q&A Richard Jaffe, MD and W. Vaughn McCall, MD, MS |
| 12:00p ET | 12:30p ET | Break |
| 12:30p ET | 1:15p ET | ECT Adverse Effects and Their Management Richard D. Weiner, MD, PhD |
| 1:15p ET | 2:00p ET | The Use of Anesthesia in ECT Georgios Petrides, MD |
| 2:00p ET | 2:30p ET | Afternoon Q&A Richard D. Weiner, MD, PhD and Georgios Petrides, MD |



ECT Certificate Course Agenda

Sunday, April 18, 2021

| Start | End | Session |
|-----------|-----------|--|
| 10:00a ET | 10:45a ET | Decisions in the Course of ECT Robert M. Greenberg, MD |
| 10:45a ET | 11:30a ET | Practicum Session ECT Devices C. Edward Coffey, MD and Joan Prudic, MD |
| 11:30a ET | 12:00p ET | Break |
| 12:00p ET | 12:45p ET | Practicum Session Patient Preparation Charles H. Kellner, MD and Amy S. Aloysi, MD, MPH |
| 12:45p ET | 1:15p ET | Sunday Q&A Robert M. Greenberg, MD, C. Edward Coffey, MD, Joan Prudic, MD, Charles H. Kellner, MD and Amy S. Aloysi, MD, MPH |
| 1:15p ET | 1:45p ET | Break |
| 1:45p ET | 2:45p ET | Online Certificate Exam |



ECT Certificate Course Faculty

AMY S. ALOYSI, MD, MPH

Director, Interventional Psychiatry, The Icahn School of Medicine at Mount Sinai
New York, New York

C. EDWARD COFFEY, MD

Affiliate Professor of Psychiatry and Behavioral Sciences, Medical University of South Carolina
Charleston, South Carolina

ROBERT M. GREENBERG, MD

Medical Director for ECT, RWJ Barnabas Health System, Clinical Professor of Psychiatry, Robert Wood Johnson School of Medicine
New York, New York

RICHARD JAFFE, MD

Course Director

Director, Electroconvulsive Therapy Service, Belmont Behavioral Hospital
Philadelphia, Pennsylvania

CHARLES H. KELLNER, MD, DFAPA

Adjunct Professor, Department of Psychiatry and Behavioral Sciences, Medical University of South Carolina
Charleston, South Carolina

W. VAUGHN MCCALL, MD, MS

Case Distinguished University Chair, Department of Psychiatry and Health Behavior, Executive Vice Dean, The Medical College of Georgia, Augusta University
Augusta, Georgia

GEORGIOS PETRIDES, MD

Associate Professor of Psychiatry, Zucker School of Medicine at Hofstra/Northwell, Director, Division of ECT, The Zucker Hillside Hospital, Northwell Health System
New York, New York

JOAN PRUDIC, MD

Clinical Professor of Psychiatry, Medical Director, Electroconvulsive Therapy Service, New York Presbyterian Hospital, Columbia Campus and New York State Psychiatric Institute
New York, New York

RICHARD D. WEINER, MD, PHD

Professor, Department of Psychiatry and Behavioral Sciences, Duke University Medical Center
Durham, North Carolina



ECT Certificate Course Registration

Registration

Register online at <https://www.isen-ect.org/ect-certificate-course#registration>.

All registrants must email a current copy of their medical license, or practice equivalent, in order to participate in this event. Email such documentation to meetings@isen-ect.org.

Trainee and student registrants must verify their status via an enrollment verification letter. Email such documentation to contact@isen-ect.org.

Registration Fees ECT Certificate Course *Saturday, April 24-25, 2021*

- ISEN Physician Members \$945
- ISEN Other Clinician Members \$945
- ISEN Nurse Members \$545
- ISEN Resident/Trainee Members* \$545
- ISEN Student Members* \$345
- Non-Member Physicians \$1,345
- Non-Member Other Clinicians \$1,345
- Non-Member Nurses \$745
- Non-Member Residents/Trainees* \$745
- Non-Member Students* \$445

*Requires status verification



Annual Meeting Overview

Intended Audience

This year's conference is intended for practitioners, mental health professionals, and researchers of ECT and related stimulation techniques. A poster session will allow for the most recent research in ECT and other brain stimulation modalities to be presented. The information presented in this CME offering reflects the opinion of the presenters. As with all science, there may be multiple explanations for the data and multiple reasonable conclusions.

Objectives

At the conclusion of the conference, participants should be able to

- describe the public health value of electroconvulsive therapy,
- review the clinical and scientific application of combining ketamine therapy with brain stimulation therapy,
- explain the clinical and scientific application of biomarkers in brain stimulation therapy.

Continuing Education Information

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AffinityCE designates this live CME activity for a maximum of 10 hours of *AMA PRA Category 1 Credit(s)™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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ISEN 30th Annual Meeting Agenda

Saturday, April 24, 2021

| Start | End | Symposia / Session |
|-----------|-----------|---|
| 9:45a ET | 10:00a ET | Welcome and Opening Remarks Adriana Hermida, MD |
| | | THE PUBLIC HEALTH VALUE OF ECT M. Justin Coffey, MD, FAPA, CHCIO [chair] |
| 10:00a ET | 10:30a ET | ECT During the COVID Pandemic Daniel F. Maixner, MD |
| 10:30a ET | 11:00a ET | Decreasing Suicidality in Schizophrenia: ECT Use in a City State Phern-Chern Tor, MBBS |
| 11:00a ET | 11:30a ET | Who Benefits the Most: Towards Accurate Prediction of ECT Outcomes Linda van Diermen, MD, PhD |
| 11:30a ET | 12:00p ET | Break |
| 12:00p ET | 12:30p ET | Barriers to Expanding ECT Services in the US Samuel T. Wilkinson, MD |
| 12:30p ET | 1:00p ET | The Public Health Value of ECT Panel Q&A |
| 1:00p ET | 1:30p ET | Break |
| | | BRAIN STIMULATION & KETAMINE Samuel T. Wilkinson, MD [chair] |
| 1:30p ET | 2:00p ET | Combining ECT & Ketamine to Improve Outcomes Murat Altinay, MD |
| 2:00p ET | 2:30p ET | Ketamine & Esketamine for Treatment-Resistant Depression Manish Jha, MBBS |



ISEN 30th Annual Meeting Agenda

Saturday, April 24, 2021 (continued)

Annual Meeting

| Start | End | Symposia / Session |
|----------|----------|---|
| 2:30p ET | 3:00p ET | Comparative Effectiveness of ECT vs. Ketamine Samuel T. Wilkinson, MD |
| 3:00p ET | 3:15p ET | Brain Stimulation and Ketamine Panel Q&A |
| 3:15p ET | 3:45p ET | <i>Break</i> |
| 3:45p ET | 4:45p ET | Update in the Field: Brain Stimulation Nurses Panel Q&A and Networking Session <i>viewing of on-demand presentation prior to participation required</i> |



ISEN 30th Annual Meeting Agenda

Sunday, April 25, 2021

Annual Meeting

| Start | End | Symposia / Session |
|-----------|-----------|---|
| | | NEUROIMAGING & BIOMARKERS Daniel F. Maixner, MD [chair] |
| 10:00a ET | 10:30a ET | ECT Pulse Amplitude and Medial Temporal Lobe Engagement Christopher Abbott, MD |
| 10:30a ET | 11:00a ET | MRI Evidence for Hippocampus's Role in ECT Response Amber Leaver, PhD |
| 11:00a ET | 11:15a ET | <i>Break</i> |
| 11:15a ET | 11:45a ET | Predicted Brain Age: Implications for Cognitive Control and TMS Response in MDD Katharine Dunlop, PhD |
| 11:45a ET | 12:00p ET | Neuroimaging & Biomarkers Panel Q&A |
| 12:00p ET | 12:30p ET | <i>Break</i> |
| | | TMS & MST Irving Reti, MBBS, MD [chair] |
| 12:30p ET | 1:00p ET | Accelerated rTMS for Treatment-Resistant Depression Nolan Williams, MD |
| 1:00p ET | 1:30p ET | Probing and Rescuing Dysfunctional Circuits in Depression Conor Liston, MD, PhD |
| 1:30p ET | 1:45p ET | <i>Break</i> |



ISEN 30th Annual Meeting Agenda

Sunday, April 25, 2021 (continued)

| Start | End | Symposia / Session |
|----------|----------|--|
| 1:45p ET | 2:15p ET | TMS for Depression, PTSD, and Suicide Reduction Noah S. Philip, MD |
| 2:15p ET | 2:30p ET | TMS & MST Panel Q&A |
| 2:00p ET | 3:00p ET | <i>Break</i> |
| 3:00p ET | 4:00p ET | <p>Virtual Poster Hall</p> <p>Best Abstract by a Trainee Award 2020—Magnetic Seizure Therapy for the Treatment of Suicidality in Bipolar Depression and Neurophysiological Correlates of Response Victor M. Tang, MSc, MD</p> <p>Best Abstract Award 2020—The Benefits and Costs of Changing Treatment Technique in ECT Due to Insufficient Improvement: Findings from the OPT ECT Trial and from the Columbia University Harold A. Sackeim, PhD</p> <p>Best Abstract by a Trainee Award 2021 To Be Announced</p> <p>Best Abstract Award 2021 To Be Announced</p> <p>Best Publication, <i>Journal of ECT</i> Award 2020—Electroconvulsive Treatment Utilization for Inpatient Management of Severe Manic Episodes of Bipolar Disorder Rikin S. Patel, MD, MPH</p> <p>Best Publication, <i>Journal of ECT</i> Award 2021 To Be Announced</p> <p><i>only presentations listed above qualify for CME credit; viewing of at least 4/6 on-demand award presentations and participation in their associated Zoom meeting is required to claim the 1 CME credit available for this session</i></p> |



ISEN Annual Meeting Faculty & Planning Committee

Planning Committee

FRANK M. MOSCARILLO, MD

Executive Director, ISEN

Chevy Chase, Maryland

M. JUSTIN COFFEY, MD, FAPA, CHCIO

President, ISEN

Chair, Department of Psychiatry & Behavioral Health, Geisinger, Associate Professor, Geisinger Commonwealth School of Medicine
Danville, Pennsylvania

ADRIANA P. HERMIDA, MD

Vice President, ISEN

Program Chair

Associate Professor, Geriatric Psychiatry
Fellowship Director, Department of Psychiatry and Behavioral Sciences, Emory University
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DANIEL F. MAIXNER, MD

Secretary, ISEN

ECT Program Director, Associate Professor of Psychiatry, Michigan Medicine
Ann Arbor, Michigan

IRVING M. RETI, MBBS, MD

Treasurer, ISEN

Director, Brain Stimulation Program, Associate Professor of Psychiatry and Behavioral Sciences, Johns Hopkins Hospital
Baltimore, Maryland

DONNA ECKLESDAFER, MSN, BSN, RN

Nursing Subcommittee Chair, ISEN

Neuromodulation Clinic Manager, Pine Rest Christian Mental Health Services
Grand Rapids, Michigan

The Public Health Value of ECT

M. JUSTIN COFFEY, MD, FAPA, CHCIO

(see above)

DANIEL F. MAIXNER, MD

(see above)

PHERN-CHERN TOR, MBBS

Head of Neurostimulation Services, Institute of Mental Health (Singapore)
Singapore

LINDA VAN DIERMEN, MD, PHD

Coordinating ECT Researcher, University of Antwerp, Psychiatrist Sleep Disorder Center, Antwerp University Hospital, Geriatric Psychiatrist PC Bethanië
Antwerp, Belgium



ISEN Annual Meeting Faculty & Planning Committee *(continued)*

SAMUEL T. WILKINSON, MD

Assistant Professor of Psychiatry
Assistant Director, Yale Depression Research Program, Yale School of Medicine
New Haven, Connecticut

Brain Stimulation & Ketamine

MURAT ALTINAY, MD

Assistant Professor of Psychiatry, Cleveland Clinic Foundation, Center for Behavioral Health Mood Disorders and Neurosciences
Cleveland, Ohio

MANISH JHA, MBBS

Assistant Professor of Psychiatry & Neuroscience, Icahn School of Medicine at Mt. Sinai
New York, New York

SAMUEL T. WILKINSON, MD

(see above)

Neuroimaging & Biomarkers

CHRISTOPHER ABBOTT, MD

Associate Professor of Psychiatry, University of New Mexico
Santa Fe, New Mexico

KATHARINE DUNLOP, PHD

Postdoctoral Associate in Neuroscience, Department of Psychiatry, Weill Cornell Medicine
New York, New York

AMBER LEAVER, PHD

Research Assistant Professor of Radiology, Northwestern Medicine
Chicago, Illinois

TMS & MST

CONOR LISTON, MD, PHD

Associate Professor of Psychiatry, Feil Family Brain and Mind Research Institute, Weill Medical College of Cornell University
New York, New York

NOAH S. PHILIP, MD

Associate Professor of Psychiatry and Human Behavior, The Alpert Medical School of Brown University
Providence VA Medical Center
Providence, Rhode Island

IRVING M. RETI, MBBS, MD

(see above)

NOLAN WILLIAMS, MD

Assistant Professor of Psychiatry and Behavioral Sciences, Stanford University School of Medicine,
Stanford, California



ISEN Annual Meeting Faculty & Planning Committee *(continued)*

2020 Award Recipients

Victor M. Tang, MSc, MD

Best Abstract Submission by a Trainee
Resident Physician, Department of Psychiatry,
University of Toronto
Toronto, Ontario

Harold A. Sackeim, PhD

Best Abstract Submission
Professor of Psychiatry and Radiology,
Columbia University, Chief Emeritus
Biological Psychiatry, New York State
Psychiatric Institute, Columbia University
Medical Center
New York, New York

Rikin S. Patel, MD MPH

Best Publication, *Journal of ECT*
Resident Physician, Department of Psychiatry,
Griffin Memorial Hospital
Norman, Oklahoma

2021 Award Recipients

To Be Announced



ISEN Annual Meeting Registration

Registration

Register online at <https://www.isen-ect.org/annual-meeting#registration>.

Trainee and student registrants must verify their status via an enrollment verification letter. Email such documentation to contact@isen-ect.org.

Registration Fees 30th Annual Meeting *April 24-25, 2021*

- ISEN Physician Members \$490
- ISEN Other Clinician Members \$490
- ISEN Nurse Members \$250
- ISEN Resident/Trainee Members* \$250
- ISEN Student Members* \$150
- ISEN Abstract Poster/Oral Presenters** \$250
- Non-Member Physicians \$870
- Non-Member Other Clinicians \$870
- Non-Member Nurses \$450
- Non-Member Residents/Trainees* \$450
- Non-Member Abstract Poster/Oral Presenters** \$450
- Non-Member Students* \$250

*Requires status verification

**Requires acceptance of submitted abstract; one presenter per poster



ISEN Annual Meeting Call for Abstracts

Criteria

Abstracts should contain original material relevant to the field of ECT or other brain stimulation therapies. The abstracts will be evaluated on scientific merit, quality of presentation, and adherence to these guidelines and instructions.

Technical Requirements

The abstracts must be submitted online as Microsoft Word (.doc or .docx) or Portable Document Format (.pdf). Abstracts should not exceed 250 words and must contain Background, Objective, Design/Methods, Results, and Conclusions sections. Please include the title and all authors' names. Submissions should not include author credentials or affiliations, tables and/or figures, or references. Submissions should be formatted according to the provided example. If submitting more than one abstract, please submit each separately. Submission file(s) must be named using the following convention: Corresponding Author Last Name, First Name_First Five Words of Abstract Title.

Publication

Accepted abstracts will be published in *The Journal of ECT*, the official journal of the ISEN. Abstracts must be presented as part of the Annual Meeting virtual poster session or as a virtual podium presentation in order to be published.

Awards

Top abstract submissions will be selected for virtual podium presentation and will receive a cash award (\$750 prize for Best Abstract; \$500 prize for Best Abstract by a Trainee). In order for an abstract to be eligible for any award, first authors must register and attend the Annual Meeting, as well as deliver the virtual podium presentation.

Submit your abstract online at <https://www.isen-ect.org/call-for-abstracts>.

Deadline for Submission
January 29, 2021



Abstract Submission Example

The Benefits and Costs of Changing Treatment Technique in Electroconvulsive Therapy Due to Insufficient Improvement: Findings from the Optimization of ECT Trial

William V. McCall, Joan Prudic, DP Devanand, Mitch Nobler, Roger Haskett, Benoit H. Mulsant, Peter B. Rosenquist, Harold A. Sackeim

Background: Electroconvulsive therapy (ECT) technique is often changed after insufficient clinical improvement, yet there has been virtually no research on ECT switching strategies.

Objective: To document clinical outcome in ECT nonresponders who received a second course using high dose, brief pulse, bifrontotemporal (HD BP BL) ECT, and compare cognitive effects relative to patients who received only one ECT course and as a function of the type of ECT first received.

Methods: In the multi-site trial, Optimization of ECT (OPT-ECT), patients were randomized to high dose (6xST), brief pulse right unilateral ECT or low dose (1.5xST), brief pulse, BL ECT. Nonresponders (n=59) received additional treatment with HD BP BL ECT.

Results: Among initial ECT nonresponders, response (46%) and remission (42%) rates were notably high following a course of HD BP BL ECT (4.90 ± 2.97 treatments). Clinical outcome was independent of the type of ECT received in the first course. A second course with HD BP BL ECT resulted in greater retrograde amnesia for autobiographical information immediately, two months, and six months following ECT.

Conclusions: In a large sample of ECT nonresponders, a second course of ECT had marked antidepressant effects. Since the therapeutic effects were independent of the technique of ECT first administered, it is possible that many patients may benefit simply from longer courses of ECT, without change of treatment technique. Randomized trials are needed to determine whether, when, and how to change treatment technique in ECT.