



NeuroNet|pro



The American Society
of Neuroimaging

SCOTTSDALE



A JOINT CONFERENCE ON NEUROINNOVATIONS

JANUARY 13-16, 2022

THE SCOTT RESORT & CONFERENCE CENTER | Scottsdale, Arizona

WELCOME

Two Meetings Come Together to Produce a Unique Conference on Neuroinnovations

Since 1977, the **American Society of Neuroimaging** has always been a place for providers of all levels – students, residents, fellows, technologists, advanced practice providers & attendings – to gather & discuss all modalities of neuroimaging (CT, MRI, US), how they make our patients & practice better, & to meet with industry partners who bring us the latest in neurological diagnostic technology.

This year, we welcome as joint hosts, **NeuroNet Pro**, an education & consulting organization focused on helping physician groups implement best-practice business models, integrating modern technology to solve practical issues, & leveraging the value of neurology in our healthcare delivery system.

Together, these two societies offer an opportunity for examining potential solutions to significant real world issues through its own expert lens. Precision medicine from ASN providers & scientists. Business & operations technologies through the practical eyes of NeuroNetPro attendees. The groups will unite for strategic keynote addresses, panel discussions & social gatherings intended to re-imagine the neurology delivery model.

We hope that both clinical & business professionals attend this important in-person meeting together. It will be a beautiful time of year in Scottsdale, AZ. Our program & venue have been created to foster important relationships, & facilitate problem solving among clinicians, scientists, businesspersons, & industry.

-Joseph V. Fritz, PhD
Program Chair

“Neuroimaging plays a critical role in shaping the future of neurology & more importantly neuroimaging makes us better neurologists”

*Marc Malkoff, MD, FAAN, FAHA, RPNI
ASN President*

“It is impossible to separate treatment breakthroughs from the precision diagnostics & practice innovations that together are required to solve the devastation & economic burdens of neurologic disorders”

*David Evans, MBA
NeuroNet Pro CEO*

JOINT PROGRAM AT-A-GLANCE

NeuroNet Business Track

ASN Neuroimaging & Clinical Innovations Track

Thursday, January 13 | 1:00 - 7:00 pm

What's Your Hassle?

***Imaging For the
Clinician***

***Fundamentals of US &
Acute Care Imaging***

***TCD Interpretation
Workshop***

Welcome Reception & Poster Session

Friday, January 14 | 8:00 am - 7:00 pm

Clinical Plenary: Headache Imaging

***HR, Legal, Compliance, &
Ethical Issues***

***Multiple Sclerosis &
Cognitive Disorders***

***Ultrasound
Technology***

***Lunch, Opening of The Innovations Hall, Roundtable Discussion, & Keynote
"Role of AI & Digital Medicine in the Future Practice of Neurology"
Junaid Kalia, Founder AI Neuro Care***

***Creating a Comprehensive
Service Model***

***Imaging & Digital
Medicine
- Innovations Hall***

***Ultrasound
Hot Topics***

***"Exciting Transformations in Neurologic Healthcare Delivery"
Adam Boehler, Former CMMI Director***

Saturday, January 15 | 8:00 am - 10:00 pm

Acute Stroke & Neurocritical Care

***Trends in Reimbursement
& Payment Reform***

Trauma

***TCD & Critical
Care Monitoring***

***Lunch & Broadcast
"Technology in the 3rd World: Malaria & Infectious Disease"
Nicole O'Brien, MD***

***Technology for Practice Efficiency
- Innovations Hall***

***Neuroinflammation,
Neuroinfection &
Seizure Disorders***

***Ultrasound Hands On
- Innovations Hall***

***Pediatric
Neuroimaging***

***"A Celebration of Innovation in Neurology"
sponsored by Dent Neurologic Institute***

ASN Neuroimaging & Clinical Track Details

Thursday, January 13

Fundamentals of Ultrasound & Acute Care Imaging

1:00 - 5:00 pm

*Course Director(s): Ryan Hakimi &
Emma Fields*

TOPICS:

- "Clinical Applications of TCD"
- Ryan Hakimi
- "Carotid US for Stroke Risk"
- Mark Rubin
- "Role of Emboli Detection"
- Zsolt Garami
- "Imaging for Acute Stroke
Treatment"
- Sanjeev Sivakumar
- "Imaging Based Stroke
Treatment Strategies in Late
Time Window"
- Ashu Jadhav
- "Imaging in TBI-Past, Present &
Future"
- Ruchira Jha

Imaging Fundamentals Refresher

1:00 - 5:00 pm

Course Director: Jennifer McVige

TOPICS:

- "What to Order When:
A Case Study"
- Laszlo Mechtler
- "Imaging is Done & A Report
Provided: Now What?"
- Pat Capone
- "Medical - Legal Implications"
- Peter Kalina
- "Integrating Images into your
Follow Up Visit with the Patient"
- Jennifer McVige

TCD Interpretation Workshop

1:00 - 5:00 pm

*Course Director(s): Colleen
Douville & Brenda Rinsky*

TOPICS:

- Collaborative Case-Based
Interpretation Workshop

Welcome Reception & Poster Session

5:00 - 7:00 pm

ASN Neuroimaging & Clinical Track Details

Friday, January 14

CLINICAL PLENARY: Headache Imaging

8:00 - 10:00 am | *Course Director: Laszlo Mechtler*

TOPICS:

- "Imaging of Primary Headaches" - Todd Schwedt
- "Secondary Headaches & Red Flags" - Laszlo Mechtler
- "Common Neuroimaging Findings in Pediatric Headaches" - Jennifer McVige

Multiple Sclerosis & Cognitive Disorders

10:30 - 12:00 pm

Course Director: John Bertelson

TOPICS:

- "Imaging in MS"
- Rohit Bakshi
- "Imaging in Cognitive Disorders"
- Joseph Masdeu

Ultrasound Technology

10:30 - 12:30 pm

Course Director: Mark Rubin

TOPICS:

- "21st Century TCD"
- Robert Hamilton
- "Engineering Innovations in Ultrasound"
- Carl Herickhoff & Dongwoon Hyun

LUNCH, Keynote, & Opening of The *Innovations Hall*

12:00 - 2:00 pm

Keynote:

"Role of AI & Digital Medicine in the Future Practice of Neurology"

Junaid Kalia, Founder AI Neuro Care

Roundtables Discussions:

"Therapy Pipeline, Biomarkers & Practical Issues in Precision Neurology"

Imaging & Digital Medicine

In the Innovations Hall

2:00- 5:00 pm

Course Director: Nandor Pinter

TOPICS:

- Session 1: New Imaging Technology
- Session 2: Biomarkers & Digital Medicine in Neurology

Ultrasound Hot Topics

2:00 - 5:00 pm

Course Director: Mark Rubin

TOPICS:

- "Sonolysis"
- Andrei Alexandrov
- "Right Heart Monitoring During TCD Bubble Studies"
- Mark Rubin
- "Intraoperative Monitoring with TCD"
- Zsolt Garami
- "Alphabet Soup of Credentialing"
- JP Hughes

A CAN'T MISS EVENT

5:30 - 7:30 pm

"Exciting Transformations in Neurologic Healthcare Delivery"

Adam Boehler, Former CMMI Director"

ASN Neuroimaging & Clinical Track Details

Saturday, January 15

Acute Stroke & Neurocritical Care

8:00 - 10:00 am

Course Director: Adnan Siddiqui

TOPICS:

- "Imaging Innovations in Vascular Neurosurgery" - Adnan Siddiqui
- "TCD - A Stethoscope for the Brain" - Marek Czosnyka
- "Vessel Wall & Collateral Flow Imaging" - Nandor Pinter & Rick Magun

Trauma

10:30 - 12:30 pm

Course Director: Joshua Klein

TOPICS:

- "Pediatric Abusive Head Trauma"
- Peter Kalina
- "Imaging of Disorder of Consciousness"
- Brian Edlow
- "Using Brain Network Imaging to Diagnose & Treat Neurological Disease"
- Michael Fox
- "Advanced MRI in Severe TBI"
- Peter Ferrazano

TCD & Critical Care Monitoring

10:30 - 12:30 pm

Course Director: Mark Rubin

TOPICS:

- "3D Ultrasound for Stroke Prevention"
- JD Spence
- "Multimodal Neuro Monitoring"
- Brian Appavu & Matthew Kirschen
- "TCD Monitoring after Thrombectomy"
- Claudio Baracchini

LUNCH in the *Innovations Hall*

12:30 - 1:15 pm

Broadcast: "Technology in the 3rd World: Malaria & Infectious Diseases" - Nicole O'Brien

Neuroinflammation, Neuroinfection & Seizure Disorders

2:30 - 5:00 pm

Course Director: Joshua Klein

TOPICS:

- "Imaging of Neuro-Inflammatory & Neuro-Rheumatologic Diseases"
- Shamik Bhattacharyya
- "Imaging of Neuro-Infections Diseases"
- Shibani Mukerji
- "Imaging of Focal Seizure Disorders"
- Robert Miletich

Ultrasound Hands-on Training Sessions

1:15 - 3:00 pm

Pediatric Neuroimaging

3:00 - 6:00 pm

Course Director: Kerri LaRovere

TOPICS:

- "Pediatric & Adult POCUS"
- Marinna Mir & Aarti Sarwal
- "Pediatric Echoencephalography"
- Paul Maertens
- "TCD for Sickle Cell Anemia"
- Robert Adams

"A Celebration of Innovation in Neurology" - Sponsored by Dent Neurological Institute

7:00 - 10:00 pm

ANNUAL MEETING PROGRAM DETAILS

NeuroNetPro Business Track

THURSDAY, JANUARY 13

WHAT'S YOUR HASSLE?

- Meet and greet, problem framing & group catharsis
- Performance Benchmarks and Alerts
- Resources for private practice

1:00pm - 5:00pm

WELCOME RECEPTION AND MEET THE EXPERTS

5:00pm - 7:30pm

FRIDAY, JANUARY 14

HR, LEGAL, COMPLIANCE AND ETHICAL ISSUES

- Fostering Wellbeing & Infecting culture enthusiastic of change
- Compliance Top 10: the pains & the risks
- Ethical considerations with COVID: mandates vs personal preferences
- Managing the VIP Patient
- The Team Member Experience: Recruiting, Growing, Retaining Talent
- Incorporating Inclusion, Diversity, and Equity

9:00am - 12:00pm

LUNCH, INNOVATIONS HALL, ROUNDTABLE DISCUSSION, & KEYNOTE

12:00pm - 2:00pm

- Keynote Speech: "Role of AI & Digital Medicine in the Future Practice of Neurology"
-Junaid Kalia, Founder AI Neuro Care-

CREATING A COMPREHENSIVE SERVICE MODEL

- Strategies for and Benefits of a comprehensive practice model
- Keys to setting up your own infusion & imaging centers
- Inventory management
- Clinical Trial Strategies in Private Practice
- Collaborating with Industry under the 2022 Guidelines

2:00pm - 5:00pm

TOWN HALL RECEPTION

5:00pm - 7:30pm

- A Town Hall Discussion: "Exciting Transformations in Neurologic Healthcare Delivery"
-Adam Boehler, Former CMMI Director-

SATURDAY, JANUARY 15

TRENDS IN REIMBURSEMENT AND PAYMENT REFORM

9:00am - 12:00pm

- Medicare changes for 2022
- Top 10 Dos and Don't of Revenue Cycle Management in a Fee for Service Environment
- The Buy-and-Bill market: keys to effective billing
- Clinical documentation and its many downstream uses
- Know thy stakeholders: what is your value proposition?
- New players in healthcare: population health collaboratives, health information exchanges, payer-provider networks, and corporations
- Why should I care about MU & Interoperability?
- Succeeding with Risk Based Payment Models
- Identifying & coordinating care for your at-risk patients

LUNCH AND BROADCAST

12:00pm - 1:00pm

- Keynote Speech: "Technology in the 3rd World: Malaria & Infectious Disease"
-Nicole O'Brien, MD-

TECHNOLOGY & AUTOMATION (IN THE INNOVATIONS HALL)

1:00pm - 4:00pm

- EMR gaps and workarounds
- Intelligent Automation of Forms, Scheduling, Registration, Auths and Patient Communication
- Data integration, curation, management and decision support
- The Touchless Office
- Virtual Scribes
- Optimizing patient flow with Virtual & Digital Medicine
- Managing formulary changes and prior authorization
- Clinical Trials strategies for outpatient clinics & remote care
- Cognitive Assessment Tools: methods of reimbursement, efficient collection, accuracy, standardization

CELEBRATION OF INNOVATIONS IN NEUROLOGY

7:00pm - 10:00pm

- SPONSORED BY DENT NEUROLOGIC INSTITUTE -

DON'T MISS THIS OPPORTUNITY!

Intended Audience for ASN Clinical Imaging & Precision Medicine Sessions

ASN welcomes providers of all levels: attendings, students, residents, fellows, technologists, advanced practice providers. We gather & discuss all modalities of neuroimaging (CT, MRI, US), how they make our patients & practice better, & meet with industry partners who bring us the latest in neurological diagnostic technology.

We believe neuroimaging training produces better neurologists, & have increased emphasis on refresher courses & clinical plenaries that relate imaging to clinical decision making & therapy management.

While the focus of the ASN conference remains on clinical neuroimaging & patient benefit, we will be working with our NeuroNet partners to bring economic & business perspectives, & inviting engineers to bring us leading edge diagnostic technology updates, including topics related to informatics, data management & AI, thus expanding an already robust meeting to even more related professions & professionals.

[Click here for the ASN
Detailed Program](#)

There will be approximately
20 CME Credits!

Intended Audience for NeuroNet Pro Business Sessions

Business sessions welcome all those involved in practice management to interact with expert peers as we roll up our sleeves to identify solutions for common hurdles that affect the sustainability of the neurology practice.

Topic areas will appeal to those involved in revenue cycle management & payment reform, human resources & retention/recruiting, compliance & ethics, and process improvement & intelligent automation.

Shared keynotes & panel discussions alongside clinical teammates offer a unique opportunity to align all stakeholders in integrating 21st-century tools & business models to develop a vision for transformative changes in healthcare delivery.

[Click here for the NeuroNet
Pro Detailed Program](#)

MEET THE EXPERTS

Neuroimaging & Clinical Expert Faculty (preliminary)

Andrei Alexandrov, MD, RVT, NVS
Chairman of Department of Neurology
University of Tennessee

Brian Appavu, MD
Phoenix Children's Hospital
Phoenix, AZ

Rohit Bakshi, MD
Brigham & Women's Hospital
Boston, MA

Claudio Baracchini, MD
University School of Padua School of Medicine
Padova, IT

Shamik Bhattacharyya, MD
Brigham & Women's Hospital
Boston, MA

Pat Capone, MD, PhD
Director of Winchester Neuroimaging
Winchester, VA

Marek Czosnyka, PhD
University of Cambridge
Cambridge, UK

Brian Edlow, MD
Massachusetts General Hospital
Boston, MA

Peter Ferrazzano, MD
University of Wisconsin
Madison, WI

Emmaculate Fields, APRN-CNP
University of Oklahoma
Oklahoma City, OK

Michael Fox, MD, PhD
Brigham & Women's Hospital
Boston, MA

Zsolt Garami, MD
Houston Methodist
Houston, TX

Ryan Hakimi, DO, MS, RPNI, NVS
University of South Carolina
Greenville, SC

Robert Hamilton, PhD, MS
Johns Hopkins Medicine
Baltimore, MD

Carl Herickhoff, PhD
University of Memphis
Memphis, TN

JP Hughes, RVT, RVS
Society of Vascular Ultrasound
Wilkes Barre, PA

Dongwoon Hyun
Stanford Medicine
Stanford, CA

Ashutosh Jadhav, MD, PhD
Barrow Neurological Institute
Phoenix, AZ

Ruchira Jha, MD, MSc
Barrow Neurological Institute
Phoenix, AZ

Peter Kalina, MD, MBA, FACR
Mayo Clinic College of Medicine
Rochester, MN

Joshua Klein, MD, PhD
Brigham & Women's Hospital
Boston, MA

Kerri LaRovere, MD
Boston Children's Hospital
Boston, MA

MEET THE EXPERTS

Neuroimaging & Clinical Expert Faculty (preliminary)

Marc Malkoff, MD, RPNI

University of Tennessee
Knoxville, TN

Paul Maertens, MD

University of South Alabama
Mobile, AL

Joseph Masdeu, MD, PhD

Houston Methodist
Houston, TX

Jennifer McVige, MD

Dent Neurologic Institute
Buffalo, NY

Laszlo Mechtler, MD

Dent Neurologic Institute
Buffalo, NY

Shibani S. Mukerji, MD, PhD

Assistant Professor. Harvard Medical School
Boston, MA

Nicole O'Brien, MD

Nationwide Children's Hospital
Columbus, OH

Nandor Pinter, MD

Dent Neurologic
Buffalo, NY

Mark Rubin, MD, RPNI, NVS

University of Tennessee
Memphis, TN

Todd Schwedt, MD

Mayo Clinic Hospital
Phoenix, AZ

Adnan Siddiqui, MD, PhD, FAHA

University at Buffalo Neurosurgery
Buffalo, NY

Sanjeev Sivakumar, MD

Assistant Professor. USCSOM-Greenville
Greenville, SC

JD Spence, MD

Western University, University Hospital
Ontario, CA

Aarti Sarwal, MD, FNCS FAAN, RPNI

Wake Forest School of Medicine
Winston-Salem, NC

Charles Tegeler, IV, MD, RPNI

Wake Forest School of Medicine
Winston-Salem, NC

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