Meet the Minnies 2020 semifinal candidates

September 2, 2020 -- Below is a list of the candidates for the 2020 edition of the Minnies, *AuntMinnie.com*'s campaign to recognize the best and brightest in medical imaging. This year's campaign includes over 200 candidates in 14 categories, ranging from Most Influential Radiology Researcher to Best Educational Mobile App.

To vote in our Best Radiology Image category, visit our Facebook page.

Minnies winners will be selected by our expert panel in two rounds of voting. The finalists will be announced in late September, with the final winners announced in October.

Most Influential Radiology Researcher
Dr. Harrison Bai, Brown University
Dr. Jeremy Burt, Medical University of South Carolina
Dr. Laila Cochon, Brigham and Women's Hospital
Summer Decker, PhD, University of South Florida
Maryellen Giger, PhD, University of Chicago
Dr. Travis Henry, University of California, San Francisco
Dr. Mikhail Higgins, Boston Medical Center
Dr. Rydhwana Hossain, University of Maryland
Dr. Brooke Jeffrey, Stanford University
Elizabeth Krupinski, PhD, Emory University
Dr. Bhavika Patel, Mayo Clinic - Scottsdale
Dr. Daniel Pryma, University of Pennsylvania
Dr. Michael Recht, NYU Langone Health
Dr. Joseph Schoepf, Medical University of South Carolina
Dr. Lawrence Tanenbaum, RadNet
Dr. Pamela Woodard, Mallinckrodt Institute of Radiology
Dr. Paul Yi, Johns Hopkins University

Most Effective Radiology Educator
Dr. Mark Anderson, University of Virginia
John Boone, PhD, University of California, Davis
Dr. Ruth Carlos, *Journal of the American College of Radiology*
Dr. Soonmee Cha, University of California, San Francisco
Dr. Jannette Collins, MRI Online
Dr. Carl Fuhrman, University of Pittsburgh
Dr. Marion Hughes, University of Pittsburgh
Dr. Bhavin Jankaria, Cafe Roentgen
Dr. Karen Johnson, Duke University
Dr. Nicholas Koontz, Indiana University
Dr. Victoria Marx, University of Southern California
Dr. Theresa McLoud, Massachusetts General Hospital
Dr. Tan-Lucien Mohammed, University of Florida

Dr. Mark Mullins, PhD, Emory University
Dr. Gregory Nicola, Hackensack Radiology
Dr. Amy Patel, University of Missouri-Kansas City
Dr. Zoran Rumboldt, PhD, Medical University of South Carolina
Dr. Mary Scanlon, University of Pennsylvania
Dr. Amar Udare, McMaster University
Dr. Sanjay Yadav, Mysore Medical College
Dr. David Yousem, Johns Hopkins University

Most Effective Radiologic Sciences Educator
Dean Brake, St. Louis Community College
Missy Curtis, University of South Alabama
Daniel DeMaio, University of Hartford
Cheryl DuBose, Arkansas State University
Shawna Farquharson, PhD, Florey Institute of Neuroscience and Mental Health
Tobias Gilk, Gilk Radiology Consultants
Kristan Harrington, William Faulkner & Associates
Colleen Kirley, Quinsigamond Community College
Lior Molvin, Stanford University
Dawn Moore, Emory University
Tanya Nolan, Weber State University
Cheryl Turner, Legion Healthcare Partners

Most Effective Radiology Administrator/Manager
Natasha Beyde, Montefiore Health System
Tom Cappas, MidState Radiology
Robert Day, Zwanger Pesiri Radiology
Greg Hill, Emory University
Eric LoMonaco, Community Hospital of the Monterey Peninsula
Andrew Menard, Johns Hopkins University
Todd Stanley, Indiana University Health Medical Center
Freenae Williams, University of Florida Health Jacksonville

Best Radiologist Training Program
Brigham and Women's Hospital, Boston, MA
Brown University, Providence, RI
Case Western Reserve University, Cleveland, OH
Cleveland Clinic Foundation, Cleveland, OH
Duke University, Durham, NC
Emory University, Atlanta, GA
Indiana University, Indianapolis, IN
Johns Hopkins University, Baltimore, MD
Mallinckrodt Institute of Radiology, St. Louis, MO
Massachusetts General Hospital, Boston, MA
Mayo Clinic, Rochester, MN
Mayo Clinic, Scottsdale, AZ
Medical University of South Carolina, Charleston, SC
New York University, New York, NY
NewYork-Presbyterian Hospital/Weill Cornell Radiology, New York, NY
Northwestern University, Chicago, IL
Stanford University, Stanford, CA
Thomas Jefferson University, Philadelphia, PA

University of California, Los Angeles, Los Angeles, CA
University of California, San Diego, San Diego, CA
University of California, San Francisco, San Francisco, CA
University of Florida, Gainesville, FL
University of Maryland, Baltimore, MD
University of Michigan, Ann Arbor, MI
University of Pennsylvania, Philadelphia, PA
University of Pittsburgh, Pittsburgh, PA
University of South Florida, Tampa, FL
University of Texas Southwestern, Dallas, TX
University of Virginia, Charlottesville, VA
University of Washington, Seattle, WA
University of Wisconsin-Madison, Madison, WI
Wake Forest University, Winston-Salem, NC
Weill Cornell Medicine, New York, NY
Yale University, New Haven, CT

Best Radiologic Sciences Program
Arkansas State University, Jonesboro, AR
Ball State University, Muncie, IN
Duke University, Durham, NC
Emory University, Atlanta, GA
Huntsville Hospital, Huntsville, AL
Saint Louis University, St. Louis, MO
St. Louis Community College, St. Louis, MO
Thomas Jefferson University, Philadelphia, PA
University of Florida Health Jacksonville, Jacksonville, FL
University of Oklahoma Health Sciences Center, Oklahoma City, OK
University of Pennsylvania, Philadelphia, PA
University of Virginia, Charlottesville, VA
Weber State University, Ogden, UT

Most Significant News Event in Radiology
American Board of Radiology postpones 2020 exams
Chuck Norris and wife drop gadolinium lawsuit
COVID-19 pandemic and its impact on radiology
Cuts to Medicare radiology reimbursement proposed for 2021
Fujifilm plans to acquire Hitachi medical business
MRI accident in Sweden puts focus on magnet safety
Postponement to 2022 of requirement to use clinical decision support/appropriate use criteria to order advanced imaging
Publication of NELSON results on CT lung screening
RSNA meeting goes virtual for first time
Siemens Healthineers plans to buy Varian Medical Systems

Biggest Threat to Radiology
Burnout of physicians
Cell-free DNA testing's impact on radiology-based screening
Commoditization of radiology services
Competition to local practices from teleradiology and national radiology groups
Corporate takeovers of independent radiology practices
COVID-19 pandemic and its impact on radiology volumes
Decline in Medicare and third-party reimbursement rates

Decline in Medicare and third-party reimbursement rates
Encroachment of advanced practice staff on radiologist tasks
Increased use of medical imaging by physicians in other specialties (turf battles)
Use of artificial intelligence to interpret medical images

Hottest Clinical Procedure
7-tesla MRI
3D printing of internal anatomical structures
Abbreviated breast MRI
Augmented reality-assisted interventional procedures
Cinematic rendering of medical images
Coronary CT angiography
CT lung cancer screening
CT to detect COVID-19 disease
Digital breast tomosynthesis
MR-guided radiation therapy
PET/MRI
Portable CT for stroke evaluation
Synthesized 2D mammography

Scientific Paper of the Year
Artificial intelligence versus clinicians: systematic review of design, reporting standards, and claims of deep learning studies, Nagendran M et al, *BMJ*, March 25, 2020. To learn more about this study, click here.

Association of exposure to diagnostic low-dose ionizing radiation with risk of cancer among youths in South Korea, Hong JY, *JAMA Network Open*, September 4, 2019. To learn more about this paper, click here.

Brain iron deposition is linked with cognitive severity in Parkinson's disease, Thomas GEC et al, *Journal of Neurology, Neurosurgery, and Psychiatry*, February 20, 2020. To learn more about this paper, click here.

Collateral effect of COVID-19 on stroke evaluation in the United States, Kansagra A et al, *New England Journal of Medicine*, May 8, 2020. To learn more about this paper, click here.

Comparing diagnostic performance of digital breast tomosynthesis and full-field digital mammography, Cochon et al, *Journal of the American College of Radiology*, February 14, 2020. To learn more about this paper, click here.

COVID-19-associated acute hemorrhagic necrotizing encephalopathy: Imaging features, Poyiadji N et al, *Radiology*, March 31, 2020. To learn more about this paper, click here.

CT scans obtained for nonpulmonary indications: Associated respiratory findings of COVID-19, Hossain R et al, *Radiology*, September 2020. To learn more about this paper, click here.

Findings of lung ultrasonography of novel coronavirus pneumonia during the 2019-2020 epidemic, Peng QY, *Intensive Care Medicine*, May 2020. To learn more about this paper, click here.

Imaging findings of vaping-associated lung injury, Henry TS et al, *American Journal of Roentgenology*, March 2020. To learn more about this paper, click here.

Performance of radiologists in differentiating COVID-19 from non-COVID-19 viral pneumonia at

chest CT, Bai HX et al, *Radiology*, March 10, 2020. To learn more about this paper, click here.

Radiology department preparedness for COVID-19: Radiology scientific expert review panel, Mossa-Basha M et al, *Radiology*, March 16, 2020. To learn more about this paper, click here.

Relation between chest CT findings and clinical conditions of coronavirus disease (COVID-19) pneumonia: A multicenter study, Zhao W et al, *American Journal of Roentgenology*, May 2020. To learn more about this paper, click here.

Resistance to tau and amyloid pathology facilitates super-aging. Hoenig M et al, Society of Nuclear Medicine and Molecular Imaging 2020 annual conference. To learn more about this paper, click here.

Tumor contrast enhancement and whole-body elimination of the manganese-based magnetic resonance imaging contrast agent Mn-PyC3A, Erstad D et al, *Investigative Radiology*, November 2019. To learn more about this paper, click here.

Best New Radiology Device
Aquilion One / Prism edition CT scanner, Canon Medical Systems
DR 100s digital radiography (DR) system, Agfa HealthCare
DRX-L single-shot long-length digital radiography panel, Carestream Health
Envision ultrasound transducer cover, CIVCO Medical Solutions
Ethos radiation therapy system, Varian Medical Systems
FDR Xair portable x-ray device, Fujifilm Medical Systems
Ingenia 1.5T Evolution MRI scanner, Philips Healthcare
Kosmos handheld ultrasound scanner, EchoNous
Medrad Stellant Flex CT injection system, Bayer
Pristina Serena Bright biopsy device, GE Healthcare
ProBelt CT fixation system, Pearl Technology
Reveal portable dual-energy x-ray detector, KA Imaging
RS85 Prestige ultrasound scanner, Samsung
Somatom On.site portable head CT scanner, Siemens Healthineers
SuperSonic Mach 40 ultrasound scanner, Hologic
Swoop point-of-care MRI scanner, Hyperfine Research
uMR Omega 3-tesla MRI scanner, United Imaging
XACT ACE robotic system for CT-guided procedures, XACT Robotics
xCAT IQ mobile conebeam CT scanner, Xoran Technologies

Best New Radiology Software
3DQuorum AI software for digital breast tomosynthesis, Hologic
Advanced intelligent Clear-IQ Engine (AiCE) MRI image reconstruction software, Canon Medical Systems USA
AIR Recon DL AI-based MR image reconstruction software, GE Healthcare
AI chest imaging software for detecting COVID-19 on CT and x-ray, RadLogics
AI-Rad Companion Chest CT image analysis software, Siemens Healthineers
AI software for detecting large-vessel occlusion stroke on head CTA, Aidoc
Aspen Breast reporting and tracking software, Volpara Solutions
CAD4COVID-CT AI software, Thirona
Caption Guidance echocardiography computer-aided software, Caption Health
Clara COVID-19 AI Classification Model, Nvidia and the U.S. National Institutes of Health
dViewr MRI analysis software, Random Walk Imaging
EchoGo Core AI echocardiography analysis software, Ultromics
Emergency LungAI Suite, TeraRecon

Emergency Lung AI Suite, TeraRecon
HealthMammo AI software, Zebra Medical Vision
Icobrain ep software for epilepsy detection on MRI, Icometrix
IntelliSpace AI Workflow Suite, Philips Healthcare
LungCT.ai AI software, Infervision
LVivo RV AI ultrasound software for automated right-ventricle analysis, DiA Imaging Analysis
Musica Analytics, Agfa HealthCare
Nines.ai AI head CT triage software, Nines
Patient Connect Portal, Life Image
PowerScribe Follow-up Manager, Nuance Communications
ProFound AI Risk quantitative breast cancer risk-assessment software, iCAD
QyScore brain MRI analysis software, Qynapse
Rapid ASPECTS stroke imaging computer-aided detection (CAD) software, RapidAI
Rayvolve computer-aided diagnosis software, AZMed
Red dot AI triage algorithm for pneumothorax on x-rays, Behold.ai
Rede PACS, Konica Minolta Healthcare Americas
See-Mode Augmented Vascular Analysis (AVA), See-Mode Technologies
SubtleMR image processing software, Subtle Medical
Synapse 7x enterprise imaging platform, Fujifilm Medical Systems
xrAI chest radiography AI software, 1Qbit
XStream aiCockpit, Fovia AI
XV Technology 4D lung analysis software for fluoroscopy, 4DMedical

Best New Radiology Vendor
AZMed
Braid.Health
EchoNous
Exo Imaging
Hyperfine Research
Medo.ai
Nanox
Random Walk Imaging
RapidAI
See-Mode Technologies

Best Educational Mobile App
A k-Space Odyssey, Eltjo Haselhoff, PhD (iOS)
CTisus iQuiz, Dr. Elliot Fishman (iOS)
Horos Mobile, iCat Solutions, Ltd. (iOS)
MagnetVision, Dr. Emanuel Kanal (iOS)
MSK Radiology 4 U, Reubro International (iOS, Android)
IMAIOS e-Anatomy, IMAIOS (iOS, Android)
iRadTech, Ballinger and Bruckner (iOS, Android)
My MRI Journey, King's College Hospital (iOS)
RadioGyan (web app)
Radiology Assistant 2.0, BestApps (iOS)
Radiology Rounds, Neuroglia Health (iOS, Android)
UBC Radiology Teaching App, University of British Columbia, (iOS, Android)

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