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आचार्य रणदीप गुलेरिया, पद्मश्री
निदेशक

Prof. Randeep Guleria, Padma Shri
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DIRECTOR

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Nomination of Dr. Sheffali Gulati for The Sun Pharma Science Foundation Research Awards

Dr. Shefali Gulati joined AIIMS as an UG (1988), was part of the team which started the first DM Pediatric Neurology Program in South Asia (2004), heading it since 2008. She has mentored/mentoring DM Pediatric Neurology (50), other DM (4), PhD (18), MD (43), trainees (18) from across the world.

She has over 24 years experience, and has developed Pediatric Neurology in India as a specialty (academics/clinical care/patient education/research/ advocacy) and has received many International/ National awards.

She envisioned, conceptualized and is faculty in-charge of Centre of Excellence and Advanced Research for Childhood Neurodevelopmental Disorders: providing high quality affordable care for all sections of the society, performing high end diagnostic/therapeutic research, developing a National registry and acting as an education/training hub; National Child Neurology Helpline (24X7; toll free)/Tele- Consultation Services.

She has over 355 research publications (including NEJM, JAMA pediatrics), Citations: 4477; h-Index 33; i10-index 119; > 450 abstracts.

She has made Innovations in teaching/Empowering professionals/parents www.pedneuroaiims.org (bilingual Education material/Seizure card/videos; Developed the Mobile app for Pedneuroaiims Diagnostics- Autism, Epilepsy, ADHD, Neuromotor impairments (google/ios); E-learning modules: www.pedneuroaiims.chalopadho.com; Neuropharmacopeia.

She has many National/International Research Projects (NIH, Autism speaks, MRC, UK, DBT, ICMR, DST, UNICEF, WHO, National trust, USAID, MOHFW; AIIMS-UCL collaboration) leading to innovations/advocacy.

She has Developed/Validated culture sensitive Screening /Diagnostic Instruments: Autism, ADHD, Epilepsy, Cerebral Palsy being used in the National Programme "Rashtriya Bal Swasthya Karyakram (Ministry of Health and Family Welfare)/ autism certification by Ministry of Social Justice and Empowerment. Trainer of Master trainers for Autism.

In Drug refractory epilepsy, she has developed and studied indigenous novel dietary therapies: 13 studies including RCTs, Neuromodulation: rTMS (NEJM/JAMA Pediatrics).

She has also done extensive work in:

- Autism: etiopathogenesis/biomarkers RCTs- Probiotics, GFCF diet, Music therapy; sleep disturbances, neurorehabilitation (virtual/augmented reality/ Artificial intelligence/Robotics/textile based/Alternative Augmentative Communication app, scalable mobile platform for screening, Communication-centered Parent-mediated treatment for Autism in South Asia, iPSC, exosomes.
- Neuromuscular disorders: Skin biopsy to replace muscle biopsy, RCTs: DMD-Ataluren, exon skipping; SMA- Gene therapy and humanitarian access: SMA-Zolgensma, Spinraza, Risdiplam
- Cerebral palsy: Constraint induced movement therapy along with Virtual reality assist or rTMS.

She is serving as Officer bearer in the International Society for Autism Research: Global Senior Leader (India); President elect, Association of Child Neurology; Chairperson, Academy of Pediatric Neurology, IAP; Co-Convenor, Pediatric subsection/Executive Board member Indian Epilepsy Society/National representative, International League Against Epilepsy; Advisory Board member, International Child Neurology Teaching network (ICNA); Core member of Indo-Canadian Autism Network

Dr. Sheffali Gulati has been instrumental in transforming the care of children with neurodevelopmental disorders. She has pioneered DM Pediatric Neurology program in South Asia and is doing extensive research. Her contributions in the field of epilepsy, autism, and neuromotor impairments are unmatched and with help of technology, she continues to take these efforts to remote parts of the country. Center of Excellence is a stepping stone to take Academics, Clinical Care and Research in Paediatric Neurology to greater heights both at National and International level.

I strongly recommend Dr. Sheffali Gulati's name for the Sun Pharma Science Foundation Research Award for her extensive, pioneering original research work.



(Prof. Randeep Guleria)