



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
SRI DEVARAJ URS MEDICAL COLLEGE
Tamaka, Kolar



Department of Biochemistry

Event Report

Name of the Event: Stem Cell Therapy for Neurodegenerative Diseases

College: Sri Devaraj Urs Medical College

University: Sri Devaraj Urs Academy of Higher Education and Research

Date: 14.06.2023


Sl. No.	Particulars
1.	Nature of Event: Guest Lecture
2.	Background / Introduction: Department of Biochemistry Sri Devaraj Urs Medical College, a constituent of Sri Devaraj Urs Academy of Higher Education and Research, Kolar, Karnataka, India organized Guest Lecture titled: "Stem Cell Therapy for Neurodegenerative Diseases" on 14.06.2023 using Microsoft Teams platform. The purpose of this guest lecture was to introduce importance of stem cell in medical therapy and changes in metabolism
3.	Venue: Registration link: https://forms.gle/tHGctyjWpbe5QA4EA Microsoft Teams meeting link: https://teams.microsoft.com/l/meetup-join/19%3ameeting_N2JIODQ2OTYtZjk2ZC00NzQ1LTkzYjctODVjYTBmNjAwMWI5%40thread.v2/0?context=%7b%22Tid%22%3a%22d345ca15-ed5d-42df-a0a3-87bd7802f51b%22%2c%22Oid%22%3a%224d70ef4d-c0ac-4dd4-bb44-5ae9ba71b754%22%7d
4.	Sponsor: SDUAHER
5.	Proceedings: Event commenced at 02:30 PM on 14.06.2023 by Dr. Shashidhar KN Professor & Head of Dept. of Biochemistry. Welcome Address: Dr. Shashidhar K N welcomed the participants and dignitaries of our institution. He emphasized the importance of stem cells in various inborn errors and diseases. He linked the stem cell therapy with fluorosis affected tissues in fluoride endemic areas. With this preamble Dr. Shashidhar K N welcomed the guest speaker Dr. Anand D M.Phil., Ph.D., (Neurophysiology), Professor & Program Coordinator Translational Neuroscience Manipal Institute of Regenerative Medicine Manipal Academy of Higher Education Bangalore spoke on the topic "Stem Cell Therapy for Neurodegenerative Diseases". He elaborated on general types of stem cells and the sources of stem cells. The speaker explained pathogenesis of neurodegenerative disorders in animal models especially in severe induced epilepsy in mice. Temporal region was the majorly concentrated region of brain in animal models. Mechanisms of epilepsy and proven treatment in variable degrees of degeneration was illustrated with graphs and pictures in a understandable format.



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6.	Conclusive remarks: The forum was open for discussion and Dr. Shashidhar KN asked for clarification of stem cell research in bone diseases and fluorosis, the speaker clarified that the stem cells shall be processed to manipulate any in- vitro cultured cells and can for fluorosis affected organs also
7.	Participants & delegates: A total of 74 delegates participated in the event
8.	Prize Distribution: Not Applicable
9.	Valedictory Ceremony: Vote of thanks was proposed by Dr. Munilakshmi U, Assistant Professor, Dept. of Biochemistry
10.	Highlights of events including photos Recent trends in neurodegenerative disorders and the treatment modalities by the pioneer health providers in the field was briefed by the speaker. Stem cell culture and its applications in various diseases were briefed. The stem cell therapy in epilepsy was elaborated by the speaker since the area of interest of the speaker was the same 

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