

THE 5TH BIENNIAL INTERNATIONAL ISCSGCON 2023

23rd, 24th and 25th February 2023

DMMC, Wanadongri, Nagpur

Proceedings Report

The Indian stem cell group association conducted the 5th Biennial International Stem cell Conference on 24th and 25th February 2023 at Datta Meghe Medical College, Nagpur; hosted by Datta Meghe Institute of Higher Education and Research (DU).

The conference was primarily allotted to AIIMS Patna. The host institution expressed its inability to conduct the same in Sept.2022. DMIHER (DU) volunteered to host the event and eventually ISCSGA reallocated the conference to DMIHER(DU) in November 2022.

It was preceded by a Pre-conference workshop on 23rd Feb.2023. The theme of the conference was “Translating Regenerative Medicine from Bench to Bedside”

The conference generated a huge response. It had 119 registered delegates from all over India, from North, South, East and West. 8 International faculties also participated including the USA, UK, Italy, Japan, S.Korea and UAE.

Additionally, at the conference, almost 100 Undergraduates delegates also participated. This is for the first time UG students participated in any ISCSGA conference.

D M M C



**5th Biennial International Conference
Indian Stem cell study Group
Association**

WELCOME

ISCSGCON -2023

**"Translating Regenerative
Medicine from Bench to Bed"**





The Workshop and Conference were awarded 6 MMC credit points to delegates and 8 to faculties.

The Pre-conference workshop was conducted with various video demonstrations and Hands-on Training for PRP preparation, office procedures and Umbilical cord derivation of Stem cells. They found it to be very practical and skill-based. The delegates participated with a lot of enthusiasm. Faculty responded with matching expertise and answering and training them on regenerative medicine products such as - Adipose-derived MSCs, Platelet Rich Plasma preparations, Bioinformatics and Stem cells from Umbilical cord tissue. It was highly appreciated by all the delegates



The main conference was held over the next two days.

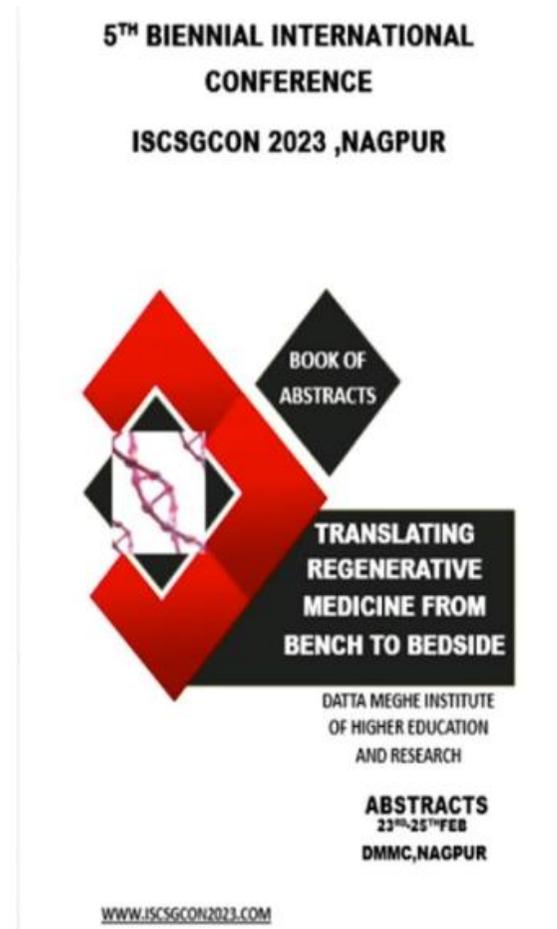
The Conference was inaugurated by the hands of Pro-Chancellor DMIHER Dr Ved Prakesh Mishra in the Esteemed Presence of Officials & members of ISCSGA including the President Prof AlokChandra Agarwal; Gen Secretary – Dr Kanchan Mishra; Founder Chairman Prof. Manish Khanna.



The Senior officials of University Hon Pro VC Dr Gaurav Mishra, Registrar Dr S. Pisulkar; Dean DMMC Prof Ujjwal Gajbe and many other dignitaries were present on this occasion.

The Conference started with Sarasvati Vandana. The welcome address was given by Organizing Chairman Prof. Sandeep Shrivastava, followed by the Addresses of the Founder Chairman, President, Pro VC, and Pro-Chancellor.

The President Prof. Alok Chandra Sharma showed success stories of Stem cells in the very difficult complex problem of Avascular necrosis of the femoral head, during his Presidential address.



The Abstract book was e-launched on this occasion.

All the officials and Guests of Honors Prof . Mukund Choragade and Prof. Shilpa Sharma were felicitated by the Organizing Team

The program ended with a Vote of thanks by the General Secretary.

The two-day long was conducted as per the schedule. The details are available on the website along with the abstracts of presentations by faculty and delegates.

Highlights of the Scientific Sessions held during the conference:

1st day :

1. Interdisciplinary and Multidisciplinary presentations. The scientific sessions had representatives from various disciplines and subjects.

It was heartening to note that regenerative Medicine is now gaining popularity among all disciplines and excellent outcome-based work was presented by Orthopedic surgeons, Dermatologists, Ophthalmologists, ENT surgeons & Physicians. The Basic Sciences presentations involved scientists from different fields including Genetics, Bioinformatics, Biotechnology and stem cells. The topics covered almost all spectrums of regenerative medicine. All the delegates and Faculty actively participated and had good interactions.

2. Plenary Session: This was the main session where in 3 very senior Faculties delivered their talks. Prof. Manish Khanna delivered his talk emphasizing on how Orth biologics are evolving and their utility in clinical conditions. Prof. Shilpa Sharma delivered her talk on how renal transplants have been treated and managed with stem cells obviating the role of steroids, and embarking on the historical moment.



3. The Conference Oration was delivered by the Guest Faculty from USA-Prof Mukund Choragade, the acclaimed chemistry scientist who have developed the enigmatic liver and is now leading various projects on validating Ayurveda practices through reverse pharmacology. These deliberations were very well taken by the audience and highly appreciated the commendable work done by these authorities.



4. Panel Discussion: A panel discussion was held with all experts on the evolving role of Regenerative Medicine. It was very intensely held with lots of interest and questions from the audience as well. The overall consensus was that to evolve a definite role of regenerative medicine, and translate it from bench to bedside, needs high-quality research and publication in high-impact journals. Till such time this evidence is not well established the clinical path should be treaded with caution. The guidelines by two authorities in India – ICMR to fulfil research objectives and DCGI for product approvals; should be referred. No dramatic claims should be made until well supported by evidence. The regenerative medicine has huge potential to offer solutions for Complex health problems, and in future will play a definite role.



5. Ideation Workshop on regenerative medicine: A special half-day-long session was held for undergraduate medical students. It was targeted to generate their interest in regenerative medicine. The students were from J.N. Medical College and D.M Medical College. Few had come from places like Kolkata. The students were mainly of 1st year and participated with lots of keenness. They came well-prepared with their presentations. The session was hugely popular and generated Very interesting ideas ranging from genetic therapies to 3d printing. The senior Officials of ISCSGA and faculties found it to be an extremely intriguing and useful activity. They guided the students further. It was decided to have a Medical Student forum in the ISCSGA, with memberships for all the presenters and the organizing team of UG. It was also decided to arrange such Ideation workshops at other Premier institutes across India with the faculty of ISCSGA. Overall the performance, particularly by 1st year students was found to be excellent and built a huge hope for the future of regenerative medicine.



6. Gold Medal Session: In this conference, the Gold medal session had 6 presentations on shortlisted abstracts by the scientific committee. As these were not already members of the Association, conditional approval was given; that winner would be given a certificate only on getting membership approved, as per the laid down criteria. The session had very interesting research presentations including on animal models by young researchers.



7. The next day the session started with Deliberations from international faculties through a Virtual Platform. These faculties were from the USA, UK, Italy, S.Korea, Japan and UAE. The deliberations were of very high quality covering many aspects of Regenerative medicine, including stem cells, genetics, use in clinical conditions such as macular degeneration. It was extremely exciting to see the progress and happening across the globe in one session, in the field of regenerative Medicine. The audience appreciated this session and had a good interaction with the faculty. Despite being a virtual session, it was ensured that no technical shortcomings limit this interaction of knowledge.
8. Subsequently, two sub-specialities were held in two different halls on Orthobiologics and Reproductive Medicine (Obstetrics& Gynecology and Andrology). The role of Regenerative medicine in the healing of bones, cartilage, soft tissues, wounds, IVF, Erectile dysfunctions etc was discussed and presented by numerous authors. Considering the emergence of regenerative medicine in these two fields it was decided that sub-specialities in these areas should be promoted by ISCSGA. The best paper in each category was also selected for awards.



AUTOLOGOUS PLATELET RICH PLASMA-A REVOLUTIONARY THERAPY IN THE FIELD OF GYNAECOLOGY

PRESENTER : DR TANVI CHAURASIA
(JR3 OBGY)

JNMC SAWANGI, WARDHA
MAHARASHTRA

PROFESSOR DR DEEPTI SHRIVASTAVA
PROFESSOR , DEPARTMENT OF OBGY

JNMC & DATTA MEGHE INSTITUTE OF HIGHER EDUCATION AND
RESEARCH, WARDHA

JNMC SAWANGI, WARDHA



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8th BIENNIAL INTERNATIONAL CONFERENCE
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DMCC, Nagpur

Sports Medicine and
Arthroscopy Review

Review Article
**Allogenic Umbilical Cord Tissue for Treatment
of Knee Osteoarthritis**
Ashim Ashim¹, Anil Kulkarni², Anil Kulkarni³, Anil Kulkarni⁴, Anil Kulkarni⁵, Anil Kulkarni⁶, Anil Kulkarni⁷, Anil Kulkarni⁸, Anil Kulkarni⁹, Anil Kulkarni¹⁰
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Sports Medicine and Arthroscopy Review (Impact Factor: 2.617)



Journal of Orthopaedic
Surgery and Research

STUDY PROTOCOL Open Access

**Umbilical cord-derived Wharton's jelly for
treatment of knee osteoarthritis: study
protocol for a non-randomized, open-label,
multi-center trial**
Ashim Ashim¹, Anil Kulkarni², Anil Kulkarni³, Anil Kulkarni⁴, Anil Kulkarni⁵, Anil Kulkarni⁶, Anil Kulkarni⁷, Anil Kulkarni⁸, Anil Kulkarni⁹, Anil Kulkarni¹⁰
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Journal of Orthopaedic
Surgery and Research

STUDY PROTOCOL Open Access

**Safety and efficacy of umbilical cord-
derived Wharton's jelly compared to
hyaluronic acid and saline for knee
osteoarthritis: study protocol for a
randomized, controlled, single-blind, multi-
center trial**
Ashim Ashim¹, Anil Kulkarni², Anil Kulkarni³, Anil Kulkarni⁴, Anil Kulkarni⁵, Anil Kulkarni⁶, Anil Kulkarni⁷, Anil Kulkarni⁸, Anil Kulkarni⁹, Anil Kulkarni¹⁰
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Journal of Orthopaedic Surgery and Research (Impact Factor: 2.982)

Email: ashim6786@gmail.com

Conference -Social Activity:

1.A dinner was held for the faculty of the Workshop and generated further discussion and networking towards the development of Regenerative Medicine.



2. A banquet was held for all delegates, faculties and sponsors. It provided a perfect social evening blended with singing and dancing. The ACitivity was utilized by most of the participants to network and discuss further collaborations.

Valedictory Function:

1. During the whole conference, at the end of each session all the Chairman, Co-chairman and Presenters were duly felicitated with Memento and certificates.
2. The winners in different categories were as follows:

ISCSGA Gold Medal : **Dr Ankit Jaiswal** for his Paper titled “ Analysis Of The Effects Of Platelet Rich Plasma Infiltration On Long Bone Regeneration ”



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Dr Ankit Jaiswal

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INSTITUTE OF HEALTH SCIENCES
& RESEARCH
WADGAON, PUNE
LEARN. LEAD.

MATER

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application with
corticotomy

- a. Best Paper – Orthobiologics: Dr. Prashanth Balusani for his paper titled “Role of PRP in treatment of MRSA infected compound tibia fracture ” .
- b. Best Paper – Reproductive medicine: Dr. Smruti Mapari for her paper titled “Autologous intrauterine PRP Vs GCSF instillation for enhancement of endometrial growth and vascularity in in vitro fertilisation failure ”:
- c. Ideation Workshop winners :
 - i. Best Project : Atharva Uxa , Manya Khattar , Ayushi Priya , Avan Khandelwal (Group 20) for their project titled “Topic: Crispr on androgenic Alopecia”
 - ii. Runner up : Atash Raut for his project titled “3D printing in bone transplantation and fracture assessment”.

All-Winners were duly congratulated and best wishes were given to all senior members of ISCSGA. They were handed Gold Medals, Certificates and Prizes.

3. Feedback from Delegates: The delegates expressed their views on the overall conduction of the conference. They were highly appreciative of the hospitality and professionalism with which the whole event was conducted and congratulated the whole organizing team. The whole conference despite a hectic scheduling of almost 115 papers was conducted with punctuality and interactions.
4. The Organizing team members were felicitated with Mementos and certificates.
5. At the end of this successfully conducted event, the vote of thanks was delivered by Dr Aditya Pundkar, The Organizing Secretary.

Official Meeting Of ISCSGA:

1. EBM: it was held on the 24th at the College council room and chaired by the President Prof. Alok Chandra Agrawal. The minutes are circulated separately.
2. GBM: It was held on the 25th after the valedictory function in Hall A, under the chairmanship of Prof. Manish Khanna. The minutes are circulated separately.

Summary :

The 5th Biennial Conference of ISCSGA was a very successful event hosted by DMIHER (DU), Nagpur. It was nearly a flawless performance by the organizing team in close association with Officials of ISCSGA. It was attended by around 200 delegates with 100 plus presentations from a variety of backgrounds coming from all across India. It had many International Faculties participating from almost 7 countries across the Globe. The Ideation workshop for UG on regenerative medicine was a well-acclaimed session. The conference has two important bearings for ISCSGA – The creation of MSF for UG and two subspecialties – Orthopedics and Obs& Gynae.

The Website is: www.iscsga2023.com

The budget sheet duly audited by CA will be submitted separately to the General Secretary, ISCSGA.

The Next Conference will be Hosted at GOA in 2025, under the Organizing Chairmanship of Prof. MahendraKuchidkar.

The President Prof. Alok Chandra Agarwal is reelected for 1 more term of 2023-24. The President-Elect is Prof. Sandeep Shrivastava for the term of 24-25.

The Other officials will continue to hold offices till the end of their term, as specified in ISCSGA guidelines.

New members with approvals from EBM and new Executive Committee and key officials are nominated as per the minutes of EBM and ratified in GBM.

On a personal note we on behalf of the whole Organizing team would like to express our thankfulness and gratitude to each and every participant and team members to have entrusted us with this prestigious task.

Dr.Sandeep Shrivastava
Org. Chairman

Dr.Aditya Pundkar
Org. Secretary

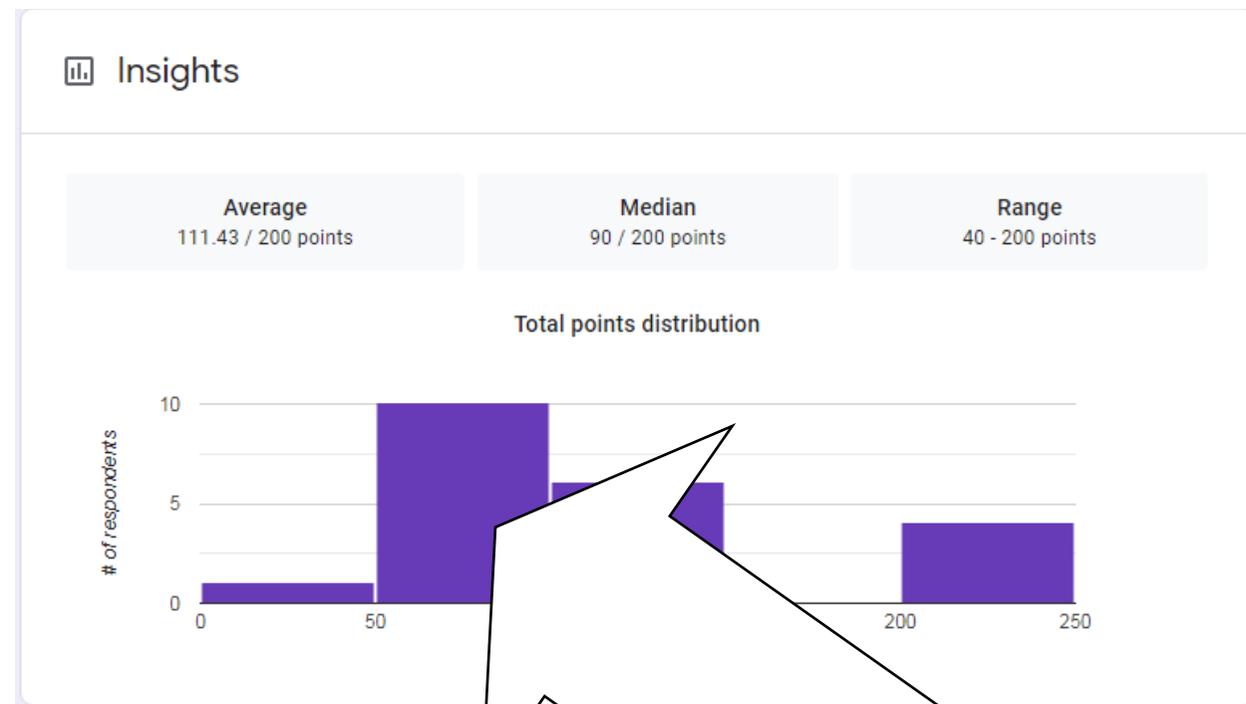
Post Conference Analysis

PRE AND POST CONFERENCE TEST INFERENCE

The organizing committee planned this quiz to compare the intellectual gain pre and post-conference.

It was conducted with sending a test in form of google form to the delegate's email address and calculating the responses.

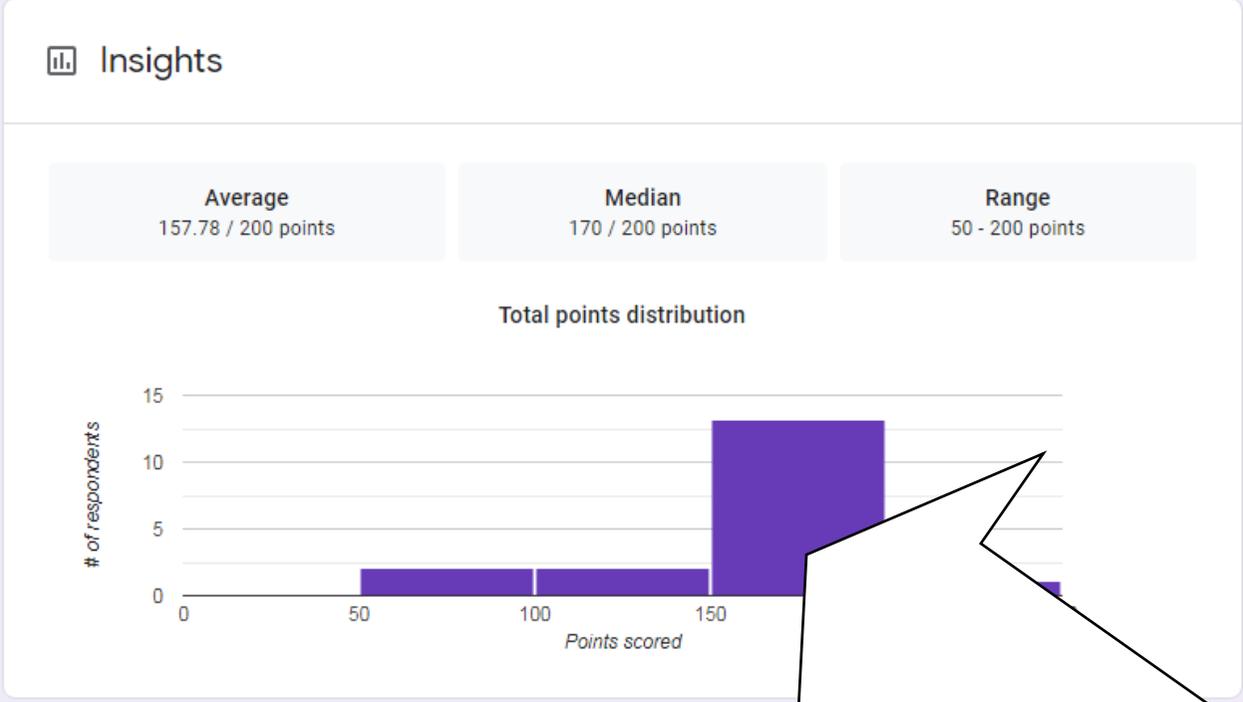
Pre test result



Total no of responses = 223

Median score in
pre test = 90

Post test result



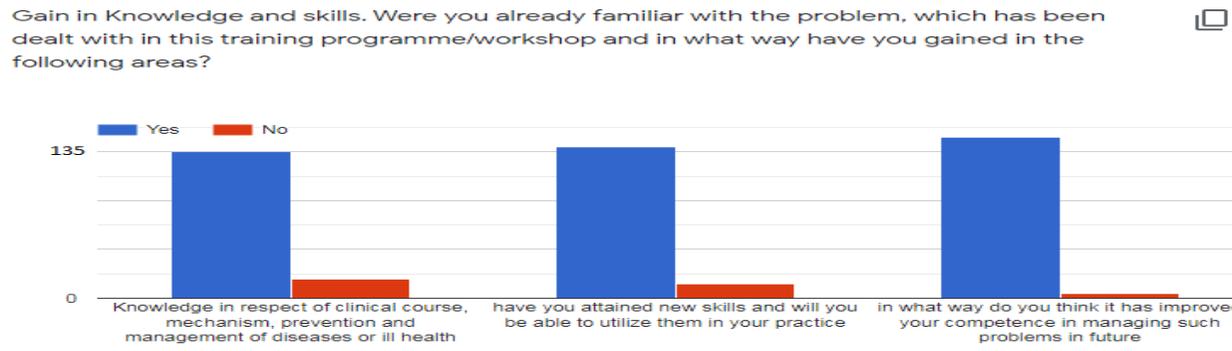
Total no of responses = 232

Inference: The median score increased significantly from 90 to 170.

Median score in pre test = 170

FEEDBACK OF THE CONFERENCE:

The organizing committee took feedback response from our delegates through Google forms.



Various questions were included in the feedback form relating to type of conference, conducting performance, gain in knowledge and futuristic view towards such conferences.

Total 232 responses were collected and from the above chart **it was undoubtedly clear that there was a definite gain in knowledge through this conference.**

6% individuals ask to include autoimmune disorders and their treatment in the subsequent conferences.

As per 41% individuals one conference is not sufficient for such a vast topic and midterm conference should be held.

Approximately 80% of responders want such conferences to be held in near future.

Around 70% individuals suggested that the conference was sufficient and conducted efficiently as per the guidelines



Thank you