

Post conference Report



10TH INTERNATIONAL ADVANCED DIAGNOSTIC TECHNIQUES SYMPOSIUM

29th - 31st March, 2022 (Blended Mode)

Theme: RECENT TRENDS IN DIAGNOSIS AND THERAPY IN PRESENT DAY HEALTHCARE



OVERVIEW

Chitkara School of Health Sciences (CSHS), Chitkara University, Punjab, India organized the 10th edition of International Advanced Diagnostic Techniques (ADT) symposium sponsored by CooperVision, India in March 2022. The three-day conference was held in blended mode from March 29th -31st, 2022 on the theme “Recent Trends in Diagnosis and Therapy in Present Day Healthcare”. The main aim of this flagship conference of CSHS was to bring together the scholars, researchers, and industry experts on a common platform to exchange views and ideas on how to communicate science and to increase our knowledge about the current trends in research pertaining to diagnostic techniques and emerging domains in healthcare. The 10th International ADT witnessed an overwhelming response with more than 400 registrations and more than 55 abstract submissions for oral presentation and poster presentation category. The event featured talks from 10 eminent resource persons from industry and academia both at the national and international level. It also included a post conference workshop for optometry conducted by CooperVision, India.

INTRODUCTION

In the year 2011, the idea of organizing a symposium to discuss current trends in healthcare was conceptualized. It was envisioned to update the trends in knowledge and aptitude in diagnostic techniques in healthcare. The 1st ADT symposium was based on the theme “Recent Advances in Laboratory Diagnostic Techniques” and was held on March 16, 2012. It was organized in collaboration with Fortis Hospital, Mohali.



Since then, CSHS has been a witness to Nine ADT symposiums focused on Trends in Advanced Diagnostic Techniques in Healthcare. And every year the amplitude of the event grew bigger adding new dimensions and prominent resources persons from the field of healthcare who provided an insight into the latest research in the healthcare domain. It was held as a one-day symposium till 2019. It was in the 9th edition of ADT which made the symposium expand its realms at the international level and due to the overwhelming response, it had to be conducted as a 2-day event. We had almost 200 delegates including research scholars and students.

The 9th ADT Symposium was held in online mode and was based on the theme “Trends in Diagnosis and Practices in Allied Healthcare Sector” in collaboration with Fortis, Mohali and Nephroplus. It was conducted from 7th January to 8th January 2021. The 1st day of the symposium was based on the theme trends in Artificial Intelligence in Healthcare; the speakers of the day included-

- Dr. Kavishwar Waghlikar, Assistant Professor of Medicine, Harvard Medical School, USA. The expert focused to deliver knowledge and expert opinion on the topic “Machine learning in Healthcare”

and Dr. Gurbir Singh, Professor Emeritus, Chitkara School of Health Sciences, Chitkara University, Punjab who delivered a talk on “COVID and therapeutic approaches”.

The 2nd Day was focused on the theme Non communicable diseases and witnessed international resource persons from academia and industry.

While Planning for the 10th ADT we wanted to expand our realms further and it included resource persons from national and international fraternity of industry and academia. It was held in blended mode to reach a wider audience. The Symposium finally had now grown to a 3-day event which also included a post symposium workshop on Optometry conducted by CooperVision on the 31st Of March 2022.

THEME OF THE CONFERENCE

The main aim of the symposium has always been to update our knowledge so that we are in sync with the latest trends in the diagnostic techniques in the healthcare sector. In the era of globalization, the Healthcare sector needs to gain competitive advantage by embracing transformation through innovation and sustainable practices. It needs to be socially responsible and envision environment centric goals as core strategy which needs to be practiced globally to benefit patient care. The area of Diagnostic technology has been evolving very-very rapidly and it presents unique opportunities and challenges for the researchers specially in the healthcare sector. The symposium has always aimed to benefit students, researchers and allied healthcare professionals from medical lab technology, dialysis therapy technology, radiology and imaging technology, operation theater technology, optometry and physiotherapy.

Knowledge of the Advanced Diagnostic Techniques in allied health keeps our audience robust with the research in the healthcare domain which is growing exponentially across the globe. As per the definition provided by NCI database: Diagnosis is the process of identifying a disease, condition, or injury from its signs and symptoms. It may include a health history, physical exam, and tests, such as blood tests, imaging tests, and biopsies. There has been tremendous research in this field since ages in order to provide better patient experience, ease in diagnosis using artificial intelligence and latest methods and modes of diagnosis.

Research in the health care has high value to society. It can provide important information about disease trends and risk factors, outcomes of treatment or public health interventions, functional abilities, patterns of care, and health care costs and use. The different approaches to research provide complementary insights. Clinical trials can provide important information about the efficacy and adverse effects of medical interventions by controlling the variables that could impact the results of the study, but feedback from real-world clinical experience is also crucial for comparing and improving the use of drugs, vaccines, medical devices, and diagnostics. For example, Food and Drug Administration (FDA) approval of a drug for a particular indication is based on a series of controlled clinical trials, often with a few hundred to a few thousand patients, but after approval it may be used by millions of people in many different contexts. Therefore, tracking clinical experience with the drug is important for identifying relatively rare adverse effects and for determining the effectiveness in different populations or in various circumstances. It is also vital to record and assess experience in clinical practice in order to develop guidelines for best practices and to ensure high-quality patient care. Collectively, these forms of health research have led to significant discoveries, the development of new therapies, and a remarkable improvement in health care and public health. Medical research has an enormous impact on human health and longevity. If the research enterprise is impeded, or if it is less robust, important societal interests are affected.

The Healthcare Sector includes diverse areas which run parallel as well as collaborate with each other to improve the overall diagnosis and make it feasible. The key areas of the symposium included six different tracks for posters and oral presentation and expert talks.

- ✚ Track 1 (Medical imaging): Medical Imaging Technology, Radio Diagnosis, Radiation Protection, Artificial Intelligence in Healthcare, Radiographic Techniques and special procedures, Radiotherapy, Nuclear Medicine, Machine Learning, Biophysics, Medical Physics
- ✚ Track 2 (Life Sciences): Microbiology, Biophysics, Histopathology, Biochemistry, Cytology and Cytogenetic, Biotechnology, Experimental Medicine, Nutrition, Bio safety, Embryology, Bioremediation.
- ✚ Track 3 (Allied Healthcare): Biomedical Instrumentation, Dialysis therapy, Renal nutrition, Peritoneal Dialysis, New Extracorporeal treatment, Therapeutic Plasma Exchange, Operation theatre technology, Anesthesia Technology, Sterilization and Disinfection, Cardiac Life Support, Medicinal Plant Therapy, Medical laboratory technology, Hematology.
- ✚ Track 4 (Health IT and Management): Telemedicine, Medical tourism, Emergency medical services, Health Informatics, Healthcare Management, Medical Language, Data Analytics, Entrepreneurship and Project Planning, IT for rural healthcare.
- ✚ Track 5 (Physiotherapy): Sports Physiotherapy, Chest Physiotherapy, Cardiopulmonary Rehabilitation, Musculoskeletal Rehabilitation, Pediatric Rehabilitation, Neurological Rehabilitation, Sports Rehabilitation
- ✚ Track 6 (Optometry): Computer Vision Syndrome, Myopia Management, Visual Impairment, Binocular Vision, Dry Eyes Syndrome, Low Vision Rehabilitation, Contact Lens, Sports Vision.

COMMITTEES AND COLLABORATORS

This section presents different committees of the symposium and acknowledges the support received from them. The section also acknowledges the support received from different third-party collaborators who endorsed the conference.

COMMITTEES

Table below displays the core committee that envisaged and steered the conference.

Position	Name
Patrons	<ul style="list-style-type: none"> • Dr. Ashok K. Chitkara – Chancellor, Chitkara University • Dr. Madhu Chitkara – Pro Chancellor, Chitkara University
Co-patron	<ul style="list-style-type: none"> • Dr. Archana Mantri – Vice Chancellor, Chitkara University, Punjab, India
Organizing Chairperson	<ul style="list-style-type: none"> • Dr. Sonika Bakshi Bhandari- Dean, Chitkara School of Health Sciences, Chitkara University, Punjab, India.
Organizing secretary(s)	<ul style="list-style-type: none"> • Dr. Navita Gupta – Associate Professor, Chitkara School of Health Sciences, Chitkara University, Punjab. • Mr. Sagar Patil – Assistant Professor, Chitkara School of Health sciences, Chitkara University, Punjab.
Advisory Committee	<ul style="list-style-type: none"> • Dr. Vikas Saini, Professor Anesthesia and Intensive Care, PGIMER, Chandigarh. • Dr. Shweta Prabhakar, Head, Quality, Fortis Hospital, Mohali. • Dr. Rajesh Gulia, Director and CEO, MY Hospital, Mohali.
Reviewer Committee	<ul style="list-style-type: none"> • Dr. Parveen Parkash, Dept of Physiology, Swami Devi Dyal Hospital and College, Haryana. • Dr. Pranav Kumar Prabhakar, Professor, Department of Research Impact & Outcome, Division of Research and Development, Lovely Professional University, Punjab. • Dr. Soumendra Nath Maity, Assistant Professor, Microbiology, RDGMC, Ujjain, India. • Dr. Anjali Sharma, Assistant Professor, Biotechnology, DAV College, Chandigarh. • Dr. Anita Gupta, Professor, Chitkara School of Health Sciences, Chitkara University, Punjab • Dr. Navita Gupta, Associate Professor, Chitkara School of Health Sciences, Chitkara University, Punjab • Dr. Kanishka Hrishidas, Assistant Professor, Chitkara School of Health sciences, Chitkara University, Punjab. • Dr. Pooja Dogra, Assistant Professor, Chitkara School of Health sciences, Chitkara University, Punjab. • Dr. Kajal Sharma, Assistant Professor, Chitkara School of Health Sciences, Chitkara University, Punjab. • Dr. Renu Thakur, Associate Professor, Chitkara School of Health Sciences, Chitkara University, Punjab. • Dr. Sahana A, Assistant Professor, Chitkara School of Health Sciences, Chitkara University, Punjab. • Dr. Madhur Kalyan, Associate Professor, Chitkara School of Health Sciences, Chitkara University, Punjab. • Dr. Amandeep Singh, Principal, Physiotherapy, Chitkara School of Health Sciences, Chitkara University, Punjab • Dr. Abhilasha Sood, Assistant Professor, Chitkara School of Health Sciences, Chitkara University, Punjab.

Social Media Committee and Outreach In charges	<ul style="list-style-type: none"> • Mr. Mohit Sharma, Assistant Professor, Chitkara School of Health Sciences, Chitkara University, Punjab • Dr. Pooja Dogra, Assistant Professor, Chitkara School of Health sciences, Chitkara University, Punjab. • Dr. Kajal Sharma, Assistant Professor, Chitkara School of Health Sciences, Punjab. • Mr. Shankar Das, Assistant professor, Chitkara School of Health Sciences, Chitkara University, Punjab. • Dr. Sahana A, Assistant Professor, Chitkara School of Health Sciences, Chitkara University, Punjab. • Mr. Sanjeev Kumar, Deputy Registrar, Chitkara School of Health Sciences, Chitkara University, Punjab.
Treasurer	<ul style="list-style-type: none"> • Mr. Sanjeev Kumar, Deputy Registrar, Chitkara School of Health Sciences, Chitkara University, Punjab. • Dr. Abhilasha Sood, Assistant Professor, Chitkara School of Health Sciences, Chitkara University, Punjab.
	<ul style="list-style-type: none"> •

INVITED SPEAKERS

International Speakers	<ul style="list-style-type: none"> • Dr. Sandeep K Vasisht (Chief of Research advisory board at Sensing. Self Pte. Ltd, Switzerland) • Dr. Andreas Fiehn (Medical Director, University of Osnabrueck, Cassel, Hesse, Germany) • Dr. Kris See KS, Medical Director, Chief Clinical and Innovation Scientist, Lord of Ryton, UK. • Dr. Puneet Tuli, Attending Physician, Banner Del E Webb Hospital, Arizona.
National Speakers	<ul style="list-style-type: none"> • Dr. Areet Kaur, Director at National Health Mission, Punjab, India. • Dr. Sanjay Sood, Director, eSanjeevani, CDAC, Mohali. • Dr. Suhasini Sonavdekar, Professor, SMBT Medical College, Nashik, Maharashtra. • Dr. Harsh Mohan, Book Author, Senior Consultant Pathologist, Dr Gaur Path Labs, Paras Hospital, Panchkula. • Dr. Neerja Gupta, Medical microbiologist, Sri Guru Hari Krishan Sahib, Sohana Eye and Super Specialty , Charitable Hospital. • Dr Madhu Gupta, Professor, Community Medicine Department of Community Medicine and School of Public Health, PGIMER, Chandigarh. • Dr. Rupesh Srivastava, Associate Professor, Department of Biotechnology, AIIMS, New Delhi. • Dr. Shuchin Bajaj, Founder Director Ujala Cygnus Hospitals. • Dr Rishi Mangat, Joint MD, Apollo Clinic and CHD City Hospital, Chandigarh.

COLLABORATORS

CooperVision, India sponsored the symposium and also organized a post symposium hands on workshop on contact lens for optometry professionals. The resource person was Ms. Pooja Singh, Optometrist, Area Sales Manager, CooperVision, India.






Hands-on Workshop on Contact Lens



Resource person
Pooja Singh
 Optometrist
 Area Sales Manager
 Coopervision India



Date : March 31, 2022
Time : 1:30 PM - 4:00 PM
Venue : Pierre Hall

Event in-charge
 Shankar, Assistant Professor, CSHS

Organised by
 Chitkara School of Health Sciences

TECHNICAL PROGRAM OVERVIEW

Theme of the Symposium: “Recent Trends in Diagnosis and Therapy in Present Day Healthcare”

The technical Programme on the 3 days of the symposium envisaged different themes and a diverse group of speakers from different domains of healthcare.

DAY 1: Theme- IT and automation in Healthcare: Prospects and Challenges

We received more than 450 registrations and the registrations at the desk for offline delegates started by 8:30 AM in the morning, there were many delegates who had joined our symposium online from Delhi and Mumbai. The chief guest on the inaugural ceremony was Dr. Areet Kaur, Director at National Health Mission, Punjab, India.

The inaugural ceremony started with the National anthem followed by lamp lighting. The first Address of the day was the overview of the 10th International ADT symposium By Dr. Sonika Bakshi, Dean, CSHS. It followed by an impressive talk by our renowned Chief Guest for the occasion, Dr. Areet Kaur, she enlightened the audience with her words of wisdom on the present-day healthcare scenario.



This was followed by a brief introduction on theme of the day by Dr Gurbir Singh, Prof Emeritus, CSHS. The theme of the day was a very contemporary topic on the IT and automation in healthcare specially after COVID-19 has impacted healthcare.

The first talk on the theme of the day was by Mr. Rajesh Kaushish, Joint director CDAC, Mohali. He shared his experiences with the eSanjeevani project and Dr. Sanjay Sood joined us online to briefly explain how telemedicine has become effective after the eSanjeevani project.

This was followed by a talk by Dr. Kris See KS, Medical Director, Chief Clinical and Innovation Scientist, Lord of Ryton, UK, on

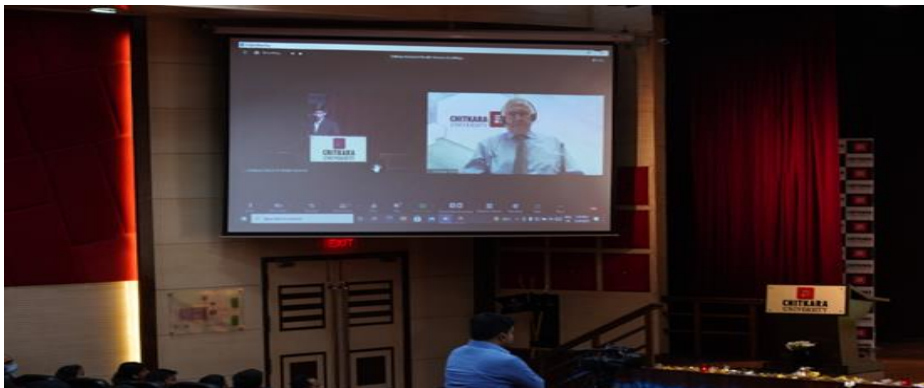
the topic: AI in Healthcare- The Way Forward or the Challenges Ahead. He joined us all the way online from UK. He talked on the different facets of Artificial intelligence (AI), especially its subset machine learning, has tremendous potential to improve health care. However, health AI also raises new regulatory challenges which were elaborately discussed. This was followed by a question-and-answer round with the audience.



To enlighten the knowledge further the delegates participated in a quiz competition, which tickled our brains further.



The post lunch session started with a talk by Dr. Suhasini Sonavdekar, Professor, SMBT Medical College, Nashik, Maharashtra, who presented the topic: OT practices and advancements robotics, she joined us online for the session all the way from Nashik. Robotics surgery is the buzz word these days and our delegates were really thrilled to know about the different advancements in the field.



The Keynote speaker of the day was: Dr. Andreas Fiehn, Medical Director, University of Osnabrueck, Cassel, Hesse, Germany, who also joined us online from Germany. He presented the Topic: Automation and patient safety -Good Vs evil. It was a wonderful talk which concluded the day's session on the future trends and prospects of IT, Patient safety in healthcare. The technical sessions

of oral and poster presentations were conducted in parallel tracks.

DAY 2: Theme- Immunopathology of COVID 19: A complete Perspective

The 2nd day of the symposium started with national anthem and welcome of the audience by Dr. Navita Gupta, Associate professor, CSHS. The day started with an introduction to the Theme of the Day: Dr. Gurbir Singh, Prof emeritus, CSHS. The theme of the day highlighted the different aspects of COVID-19 immunopathology and how it has impacted the diagnostic techniques.

The keynote speaker of the day was Dr. Harsh Mohan, Book Author, Senior Consultant Pathologist, Dr Gaur Path Labs, Paras Hospital, Panchkula. He presented the topic: Emerging Technologies in Diagnostic Pathology. It was an interesting talk where all aspects of present-day advances in diagnostic pathology were discussed in a very lucid manner.



After an interesting question and answer round we were joined by Dr. Puneet Tuli, Attending Physician, Banner Del E Webb Hospital, Arizona, online. He presented the Topic: Accelerating Innovation and access in immunization. Post COVID there was an increasing curiosity with the vaccines and how the entire process had saved the society from a pandemic. His talk had highlighted the importance of the immunization process.



After the question-and-answer session we were joined by another dignitary, Dr. Neerja Gupta, Medical microbiologist, Sri Guru Hari Krishan Sahib, Sohana Eye and Super Specialty, Charitable Hospital. She presented the Topic: Covid-19 pandemic: Where are we now? The talk was on the journey of the virus, its different strains and what are the present threats of the same followed by Question & Answer session.



Dr Madhu Gupta, Professor, Community Medicine Department of Community Medicine and School of Public Health, PGIMER, Chandigarh, was the next speaker of the day who highlighted the topic: Vaccines of COVID-19 and their efficacy. She talked about the different types of vaccines available for COVID-19 and their efficacy in the Indian population.

The post lunch session started with a talk from Dr. Rupesh Srivastava, Associate Professor, Department of Biotechnology, AIIMS, New Delhi, on the topic: Covid-19: Immunology, Immunopathogenesis and Therapeutics. The entire perspective of the immunopathology and therapy indications of COVID-19 were covered in this presentation.



To add to our knowledge further we were joined online all the way from Switzerland by Dr. Sandeep K Vasishta, Chief of research advisory, Switzerland. His topic of presentation was *In Vitro* Diagnostic (IVD) Technologies for COVID-19 pandemic management. His talk encompassed the entire process of development of in vitro diagnostic kits and its utility specially during the COVID-19 pandemic.

The 2nd day also included oral and poster presentation parallel sessions in offline and online mode in different tracks.

DAY 3: Entrepreneurship and Innovation

The day started by a welcome of the audience and a video talk by Dr. Shuchin Bajaj, Founder, Director Ujala Cygnus Hospitals on the Topic: Decision making in times of COVID. His talk highlighted the importance of different measures for undertaken to prevent the spread of COVID-19.



The main attraction of the day was working model presentation by the delegates in Sportorium, CUPB of the different instruments and devices used in a clinical laboratory. The judges for the competition were Dr. Jyotsna Kaushal, Professor, CURIN and Dr Pooja Mahajan, assistant Professor, Applied Sciences, Chitkara University, Punjab. The winner of the working model competition was Team led by Ms. Ujala and Ms. Fayal who had made a working model of UV sterilization in a laminar airflow.



Then we had the inaugural of CSHS Sopana Student Start-up club which is an initiative taken by the CSHS to guide and encourage students for the startup. The inaugural was done by chief guest of the day Dr Rishi Mangat, Joint MD, Apollo Clinic and CHD City Hospital, Chandigarh, Dr Adarsh Aggarwal, Associate Director, CIIF, CUPB and Dr Sonika Bakshi, Dean, CSHS.



Further the event was succeeded by the cultural event in which students enthusiastically participated in singing and dancing. The audience was on left on their toes by the amazing performances given by the students. It was a plethora of different dances of the states of India like Bhangra, Assamese, Himachali etc.



The three days event was ended by the valedictory session in which awards were given to the position holders of different competitions.

The 2nd half of the day had a post conference workshop on contact lens for optometry professionals. The resource person was Ms. Pooja Singh, Area Sales Manager, CooperVision, India.

OVERVIEW OF THE PRESENTED PAPERS

More than 55 abstracts were received out of which 48 abstracts were selected for oral presentation and poster presentation category. The experts from each category relevant to the track were invited as session chair and the posters and oral presentations were assessed for the best oral presentation and best poster presentation award. There were two awards in each online and offline category.

The following tables outline the general topics of the presentations along with the name of moderators in each category.

POSTER PRESENTATION IN ONLINE MODE

Judges: Dr. Kajal Sharma, Dr. Anita Gupta, Dr. Shalika Pathania

Moderators: Dr. Abhilasha Sood, Mr. Kiran VT

Author Name	Title of the paper	Paper ID
N. Shruthi, Drishya Dinesh	Impact Of Neural Speech Encoding for Future Language Prediction	105
Rishu Yadav	Green Tea Therapy for A Variety of Fatal Diseases, As Well As Its Applications in Nanotechnology	107
Aaina Singh	Incidence Of Work-Related Musculoskeletal Disorders and Its Impact on Sleep Quality Among Educational Institute Security Guards	112
Baljit kaur	Effect Of Forward Head Posture on The Work Performance of Female Intensive Care Unit Staff	113
Kajal Raghav	The Management of Acute and Chronic Infarction	115
Swikriti Sharma	Effect Of Audio Assisted Relaxation Techniques Among University Basketball Players	116
Vinay Sharda	Effect Of Yogic Eye Exercise and Oculomotor Exercise on Asthenopia in Students Attending Online Classes in Covid 19: A Comparative Study	117
Tanya Thakur	To Determine the Incidence of Work-Related Musculoskeletal Disorders and Its Impact on Quality of Life Among Street Typist	119
Neha	Association Between Occupational Stress and Cognitive Function Among Female Hospital Nurses	128
Sneha Shree	Awareness Of Anisometropic Amblyopia and Barriers to Adherence to Patching in Rural Population of Bihar	129

Anjali Srivastav	Awareness Of Contact Lens Among Three Different States of North India	132
Megha Rathi	A Comparative Study of Physical Fitness Among NCC Cadets And Non-Cadets of Chitkara University	136
Tamanna Kaushik	Study On Calculation of Dose Length Product and Estimation of Effective Dose for Computed Tomography Examination	201

ORAL PRESENTATION IN ONLINE MODE

Session Chair: Dr. Madhur Kalyan, Dr. Amandeep Singh

Moderators: Dr. Kanishka Hrishidas

Author Name	Title Of Paper	Paper ID
Preetha Devi N B,	Efficacy Of Molybdenum Disulfide (Mos2) Nanoparticle with Anticancer Drug (Bleomycin) Against Peripheral Blood Lymphocytes	103
Mohit Gulati,	Effect Of Mulligan Technique and Hip Rotators Strengthening on Sacroiliac Joint Dysfunction In Post-Partum Women	108
Sumedha Bhatia Namya,	Content Validity of a Questionnaire to Assess the Knowledge of Student on Low Back Pain	110
Vishesh Singhal,	Content Validity of a Questionnaire to Assess the Knowledge of Cervical Spondylosis	111
Sougata Panda,	Perceived Barriers of Exercise in Indian Office Workers [Pbe-I]: Development and Content Validation of a New Questionnaire.	114
Priya Chauhan,	Transcranial Magnetic Stimulation in Diagnosis and Rehabilitating Children with Post-Concussion Syndrome	126
Gurjant Singh,	Pilot Study on Lumbar Canal Diameter and Walking Distance in Patients with Lumbar Spinal Stenosis: A Multivariate Prediction Model	127
Nidhi Pandya,	Prevalence Of Strabismus at Tertiary Eye Care Centre in Western Central Tribal Belt Of India.	130
Saumya Kothiyal, Ahs	Non-Pharmacological Methods to Manage Neonates with Hyperbilirubinemia: A Review	133

POSTER PRESENTATION IN OFFLINE MODE

Judges: Dr. Manish Sharma, Dr. Prateek Srivastava

Moderator: Ms. Pallavi Aggarwal

Author Name	Title of paper	Paper ID
Jatin Kumar, Riya Shupta, Manisha Lochan, Sandipa Karakheti, Kushal Jain, Nayan Gupta	Knowledge and Awareness about Ocular health among bus drivers of Punjab, North India Study.	101
Rupal Sachdeva	Intranasal vaccination: A challenge to vanquish	109
Harsh Vardhan Dubey	Impact of COVID-19 pandemic on radiographers and trainees	202
Zarka Wani	A study on breast lesion characterization using Mammography and comparison of breast lesion pattern according to different age groups	203
Yehya Yaqoob	Artificial intelligence-based detection of stroke in non-contrast computed tomography images.	204
Toyseaf Ahmad Shan	To study the reject analysis and determine cause of repeat exposure in radiography and x ray	205
Mubashir Ali Malla	Descriptive study to Assess the knowledge and awareness of infection control in radiology department in different hospitals of kashmir	206

Lalita	To examine the breast infection in non-lactating women's	207
Sanskriti Thakur	To study the ovarian changes in women at different age groups.	208
Khalid Sharief	To examine the histopathological changes that may occur during cigarette smoking.	209
Shagun Sharma	Diagnosis of acute and chronic kidney disease by ct scan	210
Shalini Sharma	Diagnosis of inflammatory renal diseases by CT scan.	211
Basit Nazir Dar	To examine the effects of obesity on musculoskeletal system	212
Vikas Kumar Gupta	Coronary artery calcium scoring	213
Punyapadak Behera	MRI analysis of lumbar spine degeneration in different age group and sex	214
Rakesh Kumar Patra	A Comparative Study of Lower Spinal Disorder Associated With Diabetic and Non-Diabetic Patients	215
Mohammad Kaif	Impact of Covid19 on mental health of students and the overcome from the mental health disturbances.	216

ORAL PRESENTATION IN OFFLINE MODE

Session Chair: Dr. Harmeet Kaur, Dr. Pooja Dogra

Moderator: Ms. Srishti

Author Name	Title of paper	Paper ID
Dr. Nidhi Sharma	Reference norms for equilibrium coordination tests among children- A feasibility study	123
Dr. Gaurav Kapoor	Impact of exercise on arterial stiffness and reflection measures in coronary artery disease patients: An interventional pilot study	124
Dr. Meenu Verma	Immediate Effects of Shuttle Run Test on Resting Blood Pressure among Middle Aged Pre-hypertensive Adults	125
Dr. Abhilasha Sood	Anti-inflammatory and neuroprotective effects of Indian Ginseng in MCAO induced rodent model of ischemic stroke	131
Dr. Anita Gupta	Impact of ASA lectin on the intestinal permeability of nutrients in vitro	134

Session Chair: Dr. Madhur Kalyan, Dr. Meenakshi Sood

Moderator: Ms. Aastha

Author Name	Title of paper	Paper ID
Dr. Kanishka Hrishidas	Proteinase And Esterase Activity Of Candida Species Isolated From Vaginal Discharge Of Antenatal Women With Vulvovaginal Candidiasis	106
Mr. Krishna Kumar Gupta	To Investigate an Outcome of DYOP Dynamic and Log MAR Visual Acuity on Cataract Patient	120
Mr. Sacchidanand Singh	Comparison Between Pre-Op and Post-Op Surgery Residual Refractive Status in Low to High Myopia and Myopic Astigmatism of Relax SMILE Patients	121
Ms. Kumari Diksha	To Evaluate the Effect of Player unknown battle ground (PUBG) on eye acuity	122

There were a few Scopus indexed journals such as Journal of Biomedical Sciences, Therapeutic communities, F10001 publications and Optometry and vision science which had agreed to accept our papers after their independent peer review process. The publication charges were to be borne by the authors.

Best paper award

Online category:

1st Prize- Mr. Sougata Panda

2nd Prize- Ms. Saumya Kothiyal

Offline Category:

1st Prize: Dr. Kanishka Hrishidas

2nd Prize: Dr. Abhilasha Sood

Best Poster Award

Online category:

1st prize- Ms. Aina Singh

1st Prize- Ms. Rishu Yadav

Offline Category:

1st Prize: Mr. Jatin

1st Prize: Ms. Rupal

ACKNOWLEDGEMENTS

Volunteers from Chitkara University, Punjab offered their services in successfully organizing the symposium. Some of these volunteers also helped us by reading the drafts of some of the final abstracts. We are thankful to the IT Department and our administrative team of CSHS at Chitkara university who extended their full support for making this symposium run smoothly in blended mode. Names of the volunteers are Mr. Harpreet Singh, Mr. Pankaj Kumar, Mr. Dharam Singh, Mr. Moninder Singh, Mr. Gurvinder Singh, Mr. Jagandip Singh. We are also thankful to Few student volunteers of CSHS without whom this event may not have been possible. The names of the students are: Pooja, Avneet kaur,, Ujala sharma Kaushik, Nikit Kundra, Sonali Gupta, Apurva, Shreya, Muskan, Parianshi and Ayushi .

