



SAIMS TIMES

*Sri Aurobindo Medical College
& P.G. Institute*

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INSTITUTIONAL ADVANCES

Siemens Symbia Evo Excel Dual Head Gamma Camera FAST FRICTIONLESS FABULOUS FUNCTIONAL IMAGING AT SAIMS

Symbia Evo

It's about time.

With Symbia Evo, it's all about time—more time to plan your schedule, personalize your SPECT studies, serve more patients and improve staff efficiency.



Key features

AUTOFORM

- Unique LEHR collimators
- 26% higher sensitivity



Integrated ECG

- Fast patient set-up
- No additional space/cables



Detector flexibility

- Gurney and hospital bed imaging
- Detector tilt
- 7° cardiac configuration



Flash 3D

- 3D interactive reconstruction
- Cardiac half-time or half-dose imaging
- Highest reconstructed resolution



AQC

- Automated Quality Control
- Saves up to 1 hour each day



ACC

- Automatic Collimator Changer
- 4 collimators integrated into system bed



IQ•SPECT

- Ultra-fast cardiac imaging
- Up to 80% lower injected dose or faster imaging



e-media

- Integrated entertainment solution
- Helps keep patients still and comfortable



Specialty pallets

- Pediatric
- Mammography



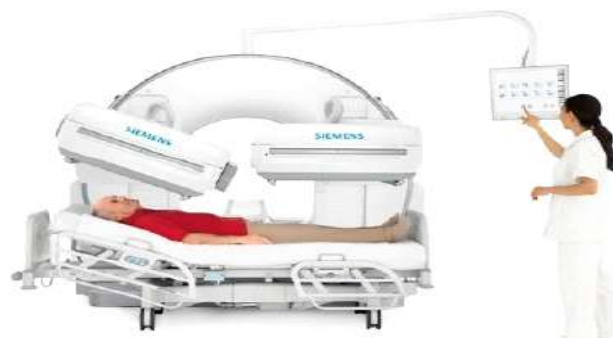
Symbia.net

- Anytime, anywhere image preview and reconstruction solution



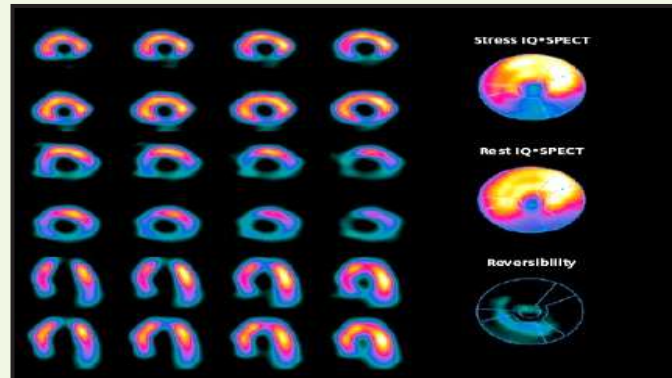
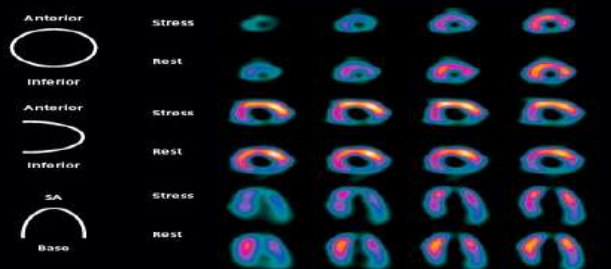
Increased flexibility

Scan virtually any* patient with a higher bed capacity, larger bore and the unique ability to image patients on a gurney or in a hospital bed. Eliminating the need to manually lift and move the patient can enhance patient comfort and optimize workflow.



IQ•SPECT 4-minute myocardial perfusion imaging

A 74-year-old male with a history of a prior coronary artery bypass grafting (CABG) and persistent chest pain underwent IQ•SPECT stress and myocardial perfusion imaging using IQ•SPECT 4-minute cardiac acquisition to evaluate the presence of myocardial ischemia. Scan is suggestive of transmural infarct involving apex and adjacent inferior wall with mild infarct ischemia.



Dr. V. Shiva Subramanian, Senior Consultant PET CT &
Department Head- Nuclear Medicine

Dr. Mahak Bhandari, General Secretary, SAIMS & Pro Chancellor, Sri Aurobindo University



It is an honor beyond words, for me to be a part of this great organization and a privilege to be working with an exceptional team of people who are passionate about providing the best care for patients.

Bhandari Group of Hospitals & Institutions, Indore continues to focus on delivering high standards of patient care in a friendly and approachable manner. Working with our health partners Sri Aurobindo Institute of Medical Sciences & PG Institute,

Bhandari Hospital & Research Center, Bhandari Hospital, Pardesipura & Mohak Hi-tech Speciality Hospital, which includes our entire team, we dedicate our resources to support our doctors and all our employees in their daily tasks, helping them reach their potential and develop and maintain service excellence at supreme heights.

Right now, our healthcare workers are at frontline battling the novel corona virus disease (COVID-19) which is spreading rapidly in the entire country. They are keeping themselves at risk in this unprecedented crisis. Our doctors, nurses, technicians, transporters, EMTs, pharmacists and everyone who support patient care are rising to the need and caring our most vulnerable populations. I give my heartfelt thanks on behalf of the team at Bhandari Group of Hospitals & Institutions for the sacrifices you make, every day and especially during this pandemic. Your dedication, commitment and courage deserve our deepest gratitude and admiration. Your service to patients is saving countless lives and making thousands of differences.

In continuation to providing the best of the health services, we at Bhandari Group of Hospitals & Institutions are dedicated in ensuring the ease for our patients. In this mission of ours, we proudly present to you our android Mobile App:

“Yuvaan +” Care to Cure



We are providing an array of facilities through our “Yuvaan +” app for our valuable patients. You can access EHR/EMR (electronic health/ medical record), view your pathology and radiology reports in this one touch go application. It provides you the ability to book, cancel and reschedule appointments, the ability to process, view and save your medical prescriptions. You can also give your valuable suggestions and feedback towards the services provided and help us to improve the application utility.

We believe that by ensuring better healthcare services for present and future generations, we together can contribute to build a brighter world together.

Thank you!

INSTITUTIONAL ADVANCES

AUTOMATION IN PATHOLOGY DEPARTMENT

Dr. Amit Varma Professor & Head, Dept. of Pathology, SAMC & PGI

It gives us immense pleasure to announce that pathology department of SAMC & PGI is now equipped with fully automated Immunohistochemistry laboratory, Decahead and Penta head teaching Microscopes, Fluorescent Microscope and Flowcytometry becoming the first Medical College in Madhya Pradesh to get the cutting-edge technologies under one roof.

VENTANA – FULLY AUTOMATED IHC WORK STATION:

As we all know that immunohistochemistry (IHC) has become an essential part and parcel of oncology for diagnosing type of tumour and prognostication, getting fully automated IHC workstation is a big leap in this direction. It has opened the doors of opportunity for the institute for in house application of wide array of IHC markers with utmost quality and precision. Ventana is a fully automated robust IHC workstation that can handle 16 different antibodies for IHC markers with 20 slides staining in one go. It will help in early and accurate typing of tumours thereby helping in better patient care.

DX FLEX FLOWCYTOMETER (BECKMAN COULTER) :

Beckman coulter Dxflex is a two laser flowcytometer with 6 parameters capacity per run. Flow cytometer is a sophisticated instrument measuring multiple physical characteristics of a single cell such as size and granularity simultaneously as the cell flows in suspension through a measuring device. Its working depends on the light scattering features of the cells under investigation, which may be derived from dyes or monoclonal antibodies targeting either extracellular molecules located on the surface or intracellular molecules inside the cell. This approach makes flow cytometry a powerful tool for detailed analysis of complex populations in a short period of time.

The flow cytometer is a versatile tool with enormous potential for the study of cells and particles. Because of its unique analytic capabilities, the flow cytometer has become an integral part of the medical research laboratory. Flowcytometer has wide areas of applications like- Immunophenotyping in diagnosis of Leukemias and lymphomas. Monitoring chemotherapy, minimal residual disease (MRD), CD4 & CD8 counts in HIV, HLA B27 (gold standard method), analysis of DNA ploidy & cell cycle, platelet function analysis, stem cell transplantation and others. Thus, these automated equipments shall prove boon for the cancer patients and will further widen the horizon of research work in the institute

VENTANA FULLY AUTOMATED IHC WORKSTATION



DxFLEX FLOWCYTOMETER (BECKMAN COULTER)



A Meet with Dignitaries



Dr. Anand Misra, Registrar SAU had a video conferencing with National General Secretary of BJP honorable Shri Kailash Vijayvargiya and briefed him about the COVID care in our hospital and all possible measures which had been taken to deal with the pandemic. The BJP leader interacted with the COVID patients and appreciated work of Medicos, Physiotherapist's Paramedicals serving to mankind. He emphasized more on role of physiotherapy as an adjunct treatment for COVID care as a preventive and early Rehabilitation remedy. He also said that Community Physiotherapy plays a key role to return back the quality life to COVID recovered Patients.

Honorable Shri Kailash Vijayvargiya Ji appreciated the contribution made by Dr. Vinod Bhandari and SAIMS Group towards dealing with the COVID at Indore. He assured to provide all possible help from his side.

Honorable Higher Education Minister and Minister Incharge COVID Crisis Management Shri Mohan Yadavji visited Sri Aurobindo Hospital. He Visited the facility that was created on a war footing after a spike in positive cases. He also interacted with COVID patients to know their health status and wished them a speedy recovery.

Dr. Anand Misra, Registrar SAU, explained to honorable minister the challenges we are facing every day and the various steps being taken for handling of disease out breaks. Hospital management has worked tireless day & night to overcome the need of O2, Medicine and intensive care and the restless round the clock work of Doctors, ICU in charge, Physiotherapists, Nursing staff and other associated staff.

Honorable Minister appreciated our efforts on all fronts to tackle the pandemic. He emphasized the work and role of physiotherapy in faster and early recovery of COVID patient and their potential contribution to reduce the work load of hospital by early discharge of COVID patients.



A meeting on COVID-19 with Honourable Prime Minister Shri Narendra Modi

On 18th May, a meeting was organised by the prime minister office with selected doctors from all over India to share experiences about the COVID times and build upon strategy to fight the ongoing epidemic. Dr Ravi Dosi was selected as a representative from Madhya Pradesh. Dr. Dosi had a fruitful discussion with the PM at which the need for the patient reaching early was stressed upon by him.



Sri Aurobindo College of Dentistry Joins the Fight Against COVID-19

COVID-19 had put the whole medical fraternity under stress of workload. Faculty members and PGs of Sri Aurobindo College of Dentistry have been sharing this workload by taking morning and evening rounds of COVID wards. They have been supervising the administration of lifesaving medications for the benefit of the patients. Under the able guidance of Dr. Kanteshwari I.K., Principal, Sri Aurobindo College of Dentistry, a team comprising of Dr. Rajesh Kumar, Professor, Dept. of Periodontology, Dr. Prashant Mishra, Professor, Dept. of Public Health Dentistry and Mr. Sumit Patel, computer operator, were given the task to coordinate and supervise the covid-duty schedule for faculties, PGs, students and interns. Dental technicians, hygienists, nursing staff and maintenance department staff of Dental College have also been contributing in the smooth running of the medical equipments and supplies in covid management. Faculties from the Dept. of Oral and Maxillofacial Surgery, Dr. Geeti Vajdi Mitra, Dr. Tejas Motiwale, Dr. Nikit Agrawal, Dr. Nidhi Singh Baghel are also an integral part of the Mucormycosis Management Team of the Hospital.



SAIMS: Role in COVID 19 Related Pathological Testing in Indore

Indore district administration and Nagar Nigam, Indore have taken initiative to establish temporary sample collection centre for all pathological tests including COVID RTPCR at all 85 wards of Indore.



The basic motive of Indore district administration and Nagar Nigam is to provide services to the population who are afraid due to covid to visit hospitals for sampling/investigation. Public can give samples at their respective ward collection centre. This initiative will help in early detection of covid infection. This will help administration to control this covid pandemic in more efficient way by decreasing morbidity and mortality in Indore.

Keeping this motive in mind, Sri Aurobindo Medical college, central lab and MVDRL lab have started collection centers in various wards of Nagar Nigam, Indore.

- 1) Zone no 4 - ward no 10, Govt School, Banganga
- 2) Zone no 5 - ward no 22, Govt School, Ravidas Nagar, kabitkhedi road
- 3) Zone no 5 - ward no 33, Marthoma H.S. School, Shukhliya
- 4) Zone no 6 - ward no 24, Ambedkar School, Kulkarni ka bhatta
- 5) Zone no 17 - ward no 18, Samudayik bhavan, Govind nagar, Kharcha
- 6) Zone no 17 - ward no 20, Gyan jyoti School, Khatipura
- 7) Zone no 17- ward no 23, Prajapat Dharmashala, Pardesipura



Dr. Avinash Raghuwanshi
Department of Pathology
Dr. Nilesh Binjwa
SAIMS Hospital



An Eye on Rhino- Orbito- Cerebral Mucormycosis

Dr Sonam Verma (Assi.Prof.), Prof Dr Shreya Thatte (HOD & Prof.),

Department of Ophthalmology, SAMC & PGI

One word that COVID resonates with recently has been uncertainty. Just with the end of its first wave, when we seemed to have managed to unlock the country with advent of vaccines, the second wave took us all by an unpleasant surprise. Right in midst of the struggle for essential drugs and oxygen, mucor crept in our lives. Due to sudden hit, after COVID recovery many could not comprehend timely and as a result presented very late. Several consulted with congestion, drooped eyelids, proptosis, blurring, diplopia, all being ocular signs but viciously mucor was hiding and flourishing in the sinuses. It was due to unawareness that the pathogen got time to invade through their base camp in sinuses and affect the CNS, palate or orbits in unpredictable order. Being multisystemic in involvement with high chances of lethality, mucormycosis required nothing less than prompt teamwork and courage. A multidisciplinary approach commenced with joining together departments of respiratory medicine, medicine, otorhinolaryngology, ophthalmology, oromaxillofacial surgery, neurology, neurosurgery, microbiology, pathology and radiology.

The media widely helped in creating awareness regarding the symptoms which helped in bringing patients to hospitals. Early diagnosis and prompt intervention are of paramount importance. The mainstay treatment lies with:

1. Adequate stable metabolic control,
2. Appropriate intravenous Amphotericin B administration,
3. Functional endoscopic sinus surgery (FESS)

The timely decision to dedicate separate wards for COVID positive and negative mucormycosis patients was monumental and we deeply pay gratitude to Chairman Dr Vinod Bhandari sir for that. It is due to Prof Dr Ravi Dosi's everlasting devotion to the COVID patients that day by day even these toughest batches of patients could recover from COVID and be shifted for treatment of mucormycosis. Only because of Prof Dr R K Jha and his team at the Department of Medicine, the transferred as well as the newly diagnosed patients from across the state could be stabilized in best condition and maintained post operatively. The efforts of ENT department headed by Prof Dr Vishal Munjal will echo through history of SAMC & PGI whereby the entire department tirelessly saved many lives with timely done FESS. These procedures reduced the number of patients requiring ophthalmic interventions. For those referred to us at Department of Ophthalmology, our needs were no less demanding as we required images of within 24 hours but we deeply appreciate Department of Radiology led by Prof Dr Manish Bhagat, who for every single patient offered their expertise in nick of time.

Following meticulous grading and proposed guidelines among our ophthalmic fraternity, the interventions for orbital involvement varied as per stage of disease. Initial conservative medical management until the first FESS has helped in several cases when diagnosed early. With transcutaneous retrobulbar Amphotericin B injection (TRAMB), we could arrest orbital and intracranial spread in seven patients and one showed complete visual restoration. In the face of shortage of Amphotericin B, it was only with unwavering support of Chairman Sir and Mr Chandorkar that we never had to delay or refuse any of our patients for the same and we and our patient would once again thank you for this service to mankind.

In the furiously rapid course of disease a narrow window for judicious exenteration arises. Due to indications, we had to perform this mutilating surgery for one patient post FESS with continuous post operative intravenous Amphotericin B injection and he recovered. The pre operative assessment is no less than a Herculean task. The airways of these patients have just recovered from COVID and still the Department of Anaesthesia stood by our side for hours through surgeries under general anaesthesia. The Departments of Neurology and Neurosurgery were the ones who in the grey areas of deciding whether to stay conservative or operate in deteriorated general condition of patients played a quintessential role. Controlling this rampant fire, the commendable skills of Department of OMFS headed by Prof Dr Geeti Vajdi lay no stone unturned. We would specially extend deep sense of gratitude to Departments of Microbiology and Pathology under the proficient guidance of Prof Dr Prachi Shaw and Prof Dr Amit Varma, respectively, who have poured their hearts in diagnosing and providing us evidence of the ghastly impact this disease causes invisible to the naked eye. Last but not the least we will be in debt for the hard work and dedication of each OT technician, nursing and assisting staff who are caring for the patients like their own round the clock.

Let's together continue to be part of the solution because as the story of past year of our lives exemplifies,

"Teamwork divides the task and multiplies the efficiency."

Institutional Advancement

Tele –Rehabilitation in Communication Disorders A new Journey by Speech Language Pathologist in this Pandemic

Department of Speech & Hearing

Everyone experiences the world through our senses, by communicating with each other and with our surroundings. We use communication to learn, to express ourselves, to work and to build and nurture relationships. Communication disorders, whether it occurs in paediatric or geriatric population can have a significant impact on our physical, emotional, social, vocational and financial well-being. Earlier the disorder is identified and treated, better are the person's chances for improvement or recovery.

The speech and language pathologist (known by the shortened description, **speech therapist**) is the communication specialist who enhances our patient's verbal and written expressions, auditory processing skills, auditory and reading comprehension levels, attention spans, memories, problem solving and organizational skills, and oropharyngeal swallowing dysfunctions. Since the inception of College of Speech and Hearing, we have been providing physical in person therapeutic services. However, the current outbreak of pandemic halted all our clinical services.

Since, most of the speech-language pathology services are focused on auditory and visual

MISSION

To avoid regression and make progress in communication skills through remote teaching/learning.

communication rather than physical contact and manipulation; we started taking the opportunities of technology and shifted ourselves to virtual mode. The initial journey was bouncy, but a joint effort by the faculty members and interns led us to explore, blend and execute science and art of speech-language therapy

together to deliver professional services for assessment, intervention and or consultation.

Currently we have been providing remote service to paediatric cases which are majorly cochlear implantees (Operated under RBSK Scheme & ADIP Scheme) followed by Down syndrome, autism, specific language impairment, and dyslexia along with few adult cases of voice disorder, stuttering, and aphasia. We have been providing twice a week individualized session to each client of 45 minutes, which has definitely enhanced their functional outcome in last one year of pandemic.



CHALLENGES

Rehabilitation of children with communication disorders/cochlear implant are challenging through the virtual world. It includes factors like availability of smart phone/laptop /computer with good microphones and speaker, availability of good speed internet connection, literacy, capturing learners attention, ensuring learning objectives are met, checking learners understanding (instruction), child & parents cooperation.

Out of 144 children with Cochlear Implant (Operated between 2019 - 20), only 74 children were enrolled in virtual mode of Aural rehabilitation, remaining of them were not able to get enrolled themselves due to above mentioned challenges. **Majorities of these children faced issues related to non availability of smart phone/laptop /computer and poor connectivity.**

When something is important for you, then you will find a way

DEPARTMENT-WISE DETAILS

Department Of Otolaryngology

1. **HEAD OF DEPARTMENT AND PROFESSOR-** DR. VISHAL RATTAN MUNJAL [M.B.B.S, M.S (ENT)]
2. **DIRECTOR PROFESSOR-** DR. BRAJENDRA BASER [M.B.B.S, M.S (ENT), DNB(ENT), FRCS(Ed)]
3. **ASSOCIATE PROFESSOR-** DR. DIGANT PATNI [M.B.B.S, M.S (ENT)]
4. **ASSISTANT PROFESSOR-** DR. ANURAG SRIVASTAVA [M.B.B.S, M.S (ENT)]
5. **ASSISTANT PROFESSOR-** DR. PRAVEEN SURANA [M.B.B.S, M.S (ENT)]
6. **SENIOR RESIDENT-** DR. B. DEEPTHI [M.B.B.S, M.S (ENT)]

TOTAL PUBLICATIONS IN 2020-21

- Baser B, Sundrani P, Singh P. Septal Extension Graft in Increasing Nasal Tip Projection. Indian Journal of Otolaryngology and Head & Neck Surgery. 2021 May 4:1-9.
- Patni D, Munjal VR. Retrospective analysis of paediatric tracheostomy in Indian tertiary care centre. International Journal of Otorhinolaryngology and Head and Neck Surgery. 2020 Mar;6(3):533.
- Patni D, Mishra A, Patel D, Munjal V. Prospective study on technique of graft fishing with anterior tucking in type 1 tympanoplasty and its hearing outcome. International Journal of Otorhinolaryngology and Head and Neck Surgery. 2020;6(12):2243.

CONFERENCE / WORKSHOP / PRESENTATION ONLINE / OFFLINE IN 2020-21

- International Presentation on webinar of MID PHONOCON 2020 by Dr. Anurag Srivastava on topic swallow respiratory patterns and aging: presbyphagia or dysphagia? diagnostic dilemma and management.
- E-PAPER presentation by Dr. Ojaswini Singhai -prospective study on technique of graft fishing with anterior tucking in type 1 tympanoplast & its hearing outcome.

FACILITIES AVAILABLE

- OPD Treatment units
- Facility for OPD microscopy and Endoscopy
- Endoscopic Surgery Unit (Karl Storz)
- Cochlear implant programme
- Surgical Microscope (Carl Zeiss)
- Micro-debrider (Medtronic)
- Video Endoscope –NPL with working channel (Olympus)
- Medtronic Nerve Monitor
- Vertigo lab (VNG, Echog G, VEMP, SVV)
- Sleep Lab
- Audiometry, Impedance, BERA & OAE,
- TRT (Tinnitus Retraining Therapy programme)

Rehabilitation

- Audiology and Hearing Aid services
- Speech Therapy Services
- Swallowing Therapy
- Post Cochlear Implant Rehabilitation
- Neuro-physiotherapy and Vrservices

SPECIAL SERVICES- SUPERSPECIALITY CLINICS

NEURO OTOLOGY CLINIC (VERTIGO LAB)

- Vertigo lab with VNG
- Team approach with ENT Neuro-otologists, Audiology and Neuro-physiotherapy unit of physiotherapy.
- Successful Rehabilitation with VR (virtual reality)
- Advanced lab support with tests – VEMP, Echog G, SVV

SWALLOWING CLINIC

- Team Approach by Diagnostic Flexible Fiberoptic laryngoscopy helps in localizing real issues objectively and swallowing therapy and speech therapy aids in better rehabilitation. We offer surgical solutions also at our Superspeciality ENT section - Medialization of the vocal cord, Pharyngoesophageal dilation, Cricopharyngeal myotomy.

VOICE CLINIC

- Hoarseness –diagnostic and therapeutic centre
- Micro laryngeal surgery of the larynx
- Thyroplasty
- Voice preservation laryngeal surgeries, partial and total
- Laryngectomies
- Surgery for laryngeal cancers – diagnostic and therapeutic
- Botox therapy for spasmodic dysphonia

SLEEP CLINIC

- NPL evaluations
- PSG evaluations – Dedicated SLEEP Lab
- BIPAP allocation and rehabilitation
- Drug induced sleep endoscopy (DISE)
- Sleep surgeries (UVPP, Soft palate pillar implants, CAPSO)

ALLERGY CLINIC

- Nasal endoscopy
- Complete Endoscopic evaluation package
- Skin prick test
- Immunotherapy
- Surgical treatment – Turbinoplasty, Vidian Neurectomy.

FACIAL PLASTIC CLINIC

- Rhinoplasty
- Facial flap repair of defects
- Non-surgical rhinoplasty
- Facial Rejuvenation -Dermal fillers, Botox therapy
- Facial Reanimation

DEPARTMENTAL ADVANCES

- The challenge of mucormycosis in post covid patients have shaken Indian subcontinent. Department of ENT under leadership of Prof. (Dr.) Vishal Rattan Munjal has taken up the challenge and trying to serve the needy patients. In this pursuit we have operated more than 50 patients till now and still serving the needy.



Activities

World No Tobacco Day by the Department of Public Health Dentistry



Department of Public Health Dentistry observed "World No Tobacco Day" (Theme - Commit to Quit) on 31st May 2021. The department organized multiple awareness programme not socially, but through social media platforms by doing various activities like Poster making, Slogans, Drawing / Painting and Video making. These programs commenced from May 27 and concluded on May 31. The response was overwhelming and over 200 students participated in these activities. Also, the pledge was taken by students, teaching and non-teaching staff maintaining social distance in which all have pledged not to consume tobacco in any form and keep the campus and our surroundings healthy and tobacco free. This pledge was administered by Dr Prashant Mishra, Professor. Furthermore, Dr. Dhaman Gupta, Reader and Nodal officer, Tobacco counselling Center of the department also delivered a video message regarding awareness of ill-effects of tobacco.

Our department appreciate great efforts made by final year students, Rashi, Reena, Rhea, Rishabh, Roshni, Ruhani, Sanjita, Shailendra, Shashwat, and Shivani in organizing this program. Active participation by UG, PG and Faculty members made this event a great success.



Message From The Desk Of Editorial Board, SAIMS TIMES

We are pleased to share with you this issue of our newsletter for the month of June 2021. Our battle against the second wave of COVID-19 pandemic is still continued. Our COVID warriors have been continuously engaged in serving the patients at SAIMS. This issue covers our continued journey on tackling COVID-19 at SAIMS.

Furthermore, we are starting a new section "Department details" in our SAIMS Times from June 2021 issue onwards. This section will cover details of each department in coming issues of our newsletter. The present issue is covering details of ENT department. This issue also features the highlights from the observation of No Tobacco Day on 31st May 2021. Our faculties from medical and dental colleges conducted awareness programmes in the form of various competitions such as slogan, posters, video making. Moreover, few faculties participated at local, state, and national levels No Tobacco Day related programs and panels. This issue also highlights the recent institutional and departmental advances as well as faculty achievements.

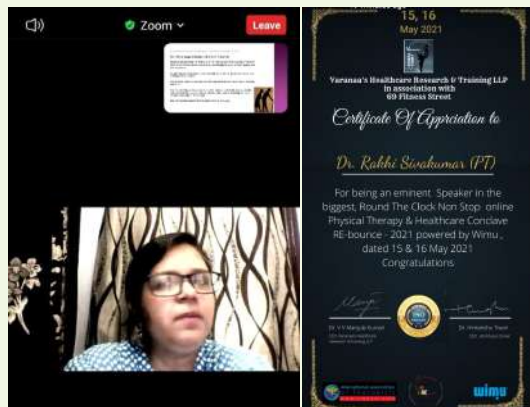
We hope that you will enjoy reading this issue. This newsletter is our voice and we encourage all the readers to contribute as much as possible. We hope to hear from you, and we welcome your feedbacks.

Thank you

PUBLICATIONS

1. **Wajid S, Kela M, Bawa A, Harchandani R, Vora A, Bhandari V, Sharma R, Doshi R.** Spontaneous pneumothorax as a complication in COVID-19 recovered male patient: a case report from a tertiary care centre in Central India. International Journal of Research in Medical Sciences. 2021;9(6):1774-1777.
2. Alhozgi A, Feine JS, Tanwir F, **Shrivastava R**, Galarneau C, Emami E. Rural-urban disparities in patient satisfaction with oral health care: a provincial survey. BMC Oral Health. May 2021;21(1):261.
3. **Chouksey D, Rath P, Garg R, Prabhash R.** Lacunar stroke in COVID-19. Ro J Neurol. 2021;20(1).
4. **Kulkarni P**, Shah RJ, **Maru K.** Determination of smile zone shape in Indian population- A cross-sectional study. IJDSIR. Apr 2021;4(2):40 – 45.
5. Singh A, **Pal A**, Thomas J. A Comparative study on Effect of constraint induced movement therapy for sub-acute stroke. WHJJ. May 2021; XVII(V):99-104.
6. **More A, Chowdhury K.** Insights into Some Atypical Findings of a Case with Amyotrophic Lateral Sclerosis: Zooming from Speech Language Pathologist's Perspective. IJMER. Apr 2021;10(4):11-14.
7. **Pathak RD**, Deshpande SS. Awareness of newborn hearing screening in pediatricians and gynaecologists in Maharashtra, India. International Journal of Otorhinolaryngology and Head and Neck Surgery. 2021;7(6):938-945.

INVITED LECTURES



1. **Dr. Rakhi Sivakumar**, Associate professor, Department of Physiotherapy was invited as guest speaker in Physical therapy and healthcare Conclave Re-bounce held on 15th and 16th May 2021. Speakers from 25 countries participated in the conclave and shared their knowledge on different topics. She presented her talk on Geriatrics balance assessment and training where she spoke about various assessment and training techniques and their guidelines in geriatric population.



2. **Dr Kavitarati Dharwadkar**, Prof and Head, Department of Biochemistry, gave a guest lecture on ICMR STS-overview and addressed faculty and students of GMC Kannur, Kerala on 22nd May, 2021.

3. **Prof Dr Shreya Thatte**, HOD of Department of Ophthalmology, headed a Case Based Discussion as "Panelist" on COVID based Mucormycosis held by the Indore Divisional Ophthalmological Society (IDOS) on May 29th, 2021.

4. **Dr Sonam Verma**, Assistant Professor in the Department of Ophthalmology, was invited at a webinar held by the Indore Divisional Ophthalmological Society (IDOS) and successfully participated as a Speaker representing SAMC & PGI to share the case experiences of COVID associated Mucormycosis on May 29th, 2021.

CERTIFICATE COURESES BY THE FACULTY

Dr Prachi Saban Shaw, Professor and Head, Department of Microbiology, has successfully attended and completed CAHO Masterclass Series-NABH 5th edition Requirements recently.



1. On invitation from Naidunia, HOD & Prof **Dr Shreya Thatte**, Dept of Ophthalmology, addressed Mucormycosis related queries and created awareness at large on a talk show with overwhelming response on 2nd June 2021.

[illegible]

2. **Dr Dinesh Chouksey**, Associate Professor, Dept of Neurology, participated in the webinar and Facebook live programme of Times of India, Bhopal on World Multiple Sclerosis Day 30 May 2021, along with 04 neurologists from Raipur, Bhopal and Indore. They discussed in details Multiple Sclerosis during the one-hour programme and also what to do in this COVID era by these patients. Dr Chouksey spoke that MS is a disease in which our immune system mistakenly attacks our own cells of the brain, optic nerve, spinal cord and this is an autoimmune inflammatory disease. MS is one of the genetically predisposed disorder and can occur in people after Ebstein bar Virus infection, low Vitamin D, cigarette smoking and childhood obesity are the factors can trigger the disease. Optic neuritis is sudden vision loss in one eye is the most common presentation of MS and almost 50% of these patients can develop MS in the future. MS patients can take an available covid vaccine in India except for a live attenuated vaccine for those who on Disease-modifying therapy (DMT) of MS. Nowadays DMTs oral tablets are available in India and these are at a reduced price to be affordable. If any young person is having progressive difficulty in walking, fatigue, poor balance, tingling numbness sensation of limbs and face, paralysis, decreased vision should seek neurologist consultation for early correct diagnosis and treatment.

[illegible]

OUTREACH ACTIVITIES

केंद्रीय जेल इंदौर में

बंदी स्वास्थ्य परीक्षण शिविर का आयोजन

इंदौर केंद्रीय जेल इंदौर में कोरोना काल के लंबे अंतराल बाद बंदियों के स्वास्थ्य परीक्षण शिविर का आयोजन केंद्रीय जेल अधीक्षक राकेश भांगरे, उप जेल अधीक्षक लक्ष्मण सिंह भदोरिया के नेतृत्व में श्री अरविन्दो इंस्टीट्यूट ऑफ मेडिकल साइंस के विशेषज्ञ डॉक्टरों द्वारा केंद्रीय जेल अस्पताल में आयोजित किया गया।



शिविर में दंत रोग विशेषज्ञ एवं चलित दंत चिकित्सा इकाई के माध्यम से चिकित्सा सेवाएं प्रदान की, मेडिसिन विभाग में डॉक्टर शिवज कुमार, हृदय रोग विभाग में डॉक्टर उत्कर्ष गोयल

डॉक्टर शुभम जैन नेत्र रोग विभाग में डॉक्टर रितिका सक्सेना डॉक्टर कोमल जैसवाल चर्म रोग विभाग में डॉक्टर चेतन नामदेव डॉक्टर अमजद पटेल ने बंदियों का परीक्षण कर उपचार प्रदान किया।
डेंटल टीम में डॉक्टर प्रशांत मिश्रा डॉक्टर चिराग व्यास डॉक्टर स्तुति डॉक्टर दीपिका आदि ने अपनी सेवाएं प्रदान की, 182 बंदियों ने लाभ प्राप्त किया।
नजदीक तथा दूर दृष्टि चश्मों के नंबर, बीमारी से संबंधित दवाइयां तथा मेडिकल समस्याओं का निराकरण किया गया।



SAIMS conducted a free multispecialty health camp at the Central Jail, Indore on 2nd June 2021 under the supervision of Dr. Prashant Mishra, Professor, Dept of Public Health Dentistry. The health services in this camp included dental, medicine, orthopedics, skin and ophthalmology check-ups and consultations. Dr Kshitij from the medicine department, Dr Utkarsh Goyal and Dr Shubham Jain from orthopedics, Dr Ritika Saxena and Dr Komal Jaiswal from ophthalmology, Dr Chetan Namdev and Dr Amjad Patel from Skin department and Dr Prashant Mishra, Dr Chirag Vyas and interns from the dentistry department provided speciality consultations and medical services to 182 prisoners. At this occasion, central jail superintendent Mr. Rakesh Bhangre and deputy superintendent Mr. Lakshman Singh Bhadoriya were also present, and they appreciated the health services provided by the experienced doctors of SAIMS at this camp.



CONFERENCE ATTENDED

Dr. Trupti Bajpai, Assistant professor, Department of Microbiology, attended International Conference on Challenges & Strategies in Reproductive & Environmental Health with Special Reference to COVID-19 Pandemic. Held from 19th-21st Feb.'2021. Conducted jointly by the Indian Society for the study of Reproduction and Fertility & Satyawati College, University of Delhi.

FACULTY SECTION

दो जून की रोटी

मन को मार कर ही जी रहे हैं अब हम सभी
जिंदा तो हैं सभी लेकिन अब वैसा जुनून है कहाँ
सब कुछ सहन करने की आदत सी हो गयी है
रगों में खौलता था जो अब वो खून है कहाँ
सब कुछ तो है हमारे पास जिसकी हमें आरजू थी
मन में हो खुशी जिससे ऐसा अब सुकून है कहाँ
तन को तो भिगो जाती है बरसती हुई बरसात
मन को जो भिगो जाये अब ऐसा मानसून है कहाँ
भले ही लाख कर लें हम पढे लिखे होने का दावा
चेहरा किसी का पढ सकें ऐसा अब मजमून है कहाँ
अब तो छप्पन भोग में भी वैसा स्वाद नहीं आता
मेहनत से जो मिली थी वो रोटी दो जून की है कहाँ

डॉ. अभिषेक काँसल

प्रोफेसर, सर्जरी विभाग

The Unseen

I live, I win, and I conquer, proclaimed the man in greed
Slow down! You are sabotaging the nature; the nature went on to plead
Announced the man, "I am the maker of civilisation, you speak to vilify".
Nature replied, "No! I just seek to purify".
You don't see the progress, but are busy abusing
I foresee the future child! The nature's balance is losing
Shrugged the man, "We don't have to fear the things we don't see".
The nature promulgated, "Unfortunately it's the unseen that will cost you a hefty fee".
Argued the man, "We live in present so why worry what's the future hold."
Nature scoffed, "Yet to save for your future you save in materialistic gold!"
Man screamed, "Should we not grow and develop?"
Nature smiled and said, "You should indeed, but I insist we both together gallop"
Declared the man with pride, "Our technology will save us from the catastrophe".
Appealed the nature, "Wake up before there is more chaos".
Man walked out saying, "I choose to ignore your advice".
Nature prayed, "I just wish you don't pay a heavy price".
Years later the nature stood helpless watching us
As the mankind started erasing due to an unseen virus
Today we all are succumbing to the unseens,
Man-made or nature-made is the debate that now reigns.

Dr. Kavitarati Dharwadkar
Prof and Head
Dept of Biochemistry

व्यक्ति, व्यक्तित्व और व्यक्तित्व विकास की पंचकोशीय अवधारणा

व्यक्ति:—शास्त्र कहते हैं, “सोऽकामयत् एकोऽहम् बहुश्यामः इति” यानी अत्यंत ब्रह्मा ने कामना की कि वह बहु रूपों में व्यक्त हो। अत्यंत ब्रह्म ही यह अनेक रूपों, यथा नदी, पहाड़, वनस्पति जगत, जंतु जगत, देवी, देवताओं और मनुष्य आदि के रूप में अर्थात् व्यक्ति के रूप में प्रकट हुए। व्यक्ति को परिभाषित करते हुए विद्वान् कहते हैं “किसी अष्ट अनाकलनीय, अचिन्त्य (जिसका चिन्तन न किया जा सके) तत्व का अष्ट, चिन्तनीय और आकलनीय प्रकट स्वरूप ही व्यक्ति है।” कुछ वर्षों पूर्व गॉड पार्टिकल की खोज हुई और कहा गया कि इसी पार्टिकल से सृष्टि की रचना हुई है। हमारे यहां कहा जाता है कि कण-कण में भगवान।

व्यक्तित्व: - व्यक्ति की भाववाचक संज्ञा व्यक्तित्व है। हरेक व्यक्ति में कुछ गुण और विशेषताएं होती हैं, जो उसके व्यक्तित्व की परिचायक होती हैं। आचार, विचार, व्यवहार, आचरण, संवेदनशीलता, घटना विशेष पर सहज और त्वरित प्रतिक्रिया से व्यक्तित्व का अनुमान लगाया जा सकता है।

व्यक्तित्व विकास और पंचकोशीय अवधारणा: आधुनिक सन्दर्भों में व्यक्तित्व विकास (पर्सनैलिटी डेवलपमेंट) का अर्थ अच्छा दिखना, अच्छा बोलना, एटिकेट्स और अच्छा पहनना भर है। यह शब्द परसोना से बना है, जिसका अर्थ है, मुखौटा। भारतीय दर्शन में व्यक्तित्व विकास के तहत पांच कोशों की बात कही गई है, अन्नमय, प्राणमय, मनोमय, विज्ञानमय और आनन्दमयकोश। इन सभी कोशों का विकास ही व्यक्तित्व का विकास है। सीधे-सीधे शब्दों में कहें तो जब व्यक्ति में ब्रह्म के समस्त गुणों के अंश पुनः व्यक्त होने लगे तो समझा जाता है कि व्यक्तित्व का समग्र विकास हुआ है। श्रीमद्भागवत गीता में भगवान कहते हैं, हे अर्जुन! सभी प्राणीमात्र जन्म से पहले अप्रकट थे और मरने के बाद भी अप्रकट हो जानेवाले हैं, केवल बीच में ही प्रकट हैं।

अन्नमयकोश: हमारा शरीर अन्न से उत्पन्न और अन्न के आधार पर रहने के कारण अन्नमयकोश है। यह अन्न से पुष्ट होता है, अन्न नहीं तो शरीर दुबला-पतला हो जाता है। इसीलिए ऋषियों ने अन्न को ब्रह्म कहा है।

अन्नमयकोश अर्थात् शरीर कैसे पुष्ट होता है: पौष्टिक, शुद्ध और सन्तुलित आहार, पर्याप्त सुखद निद्रा, यथाशक्ति नित्य व्यायाम, नित्य कार्यरतता आदि से अन्नमय कोश पुष्ट होता है। इसके अतिरिक्त प्राण और मन का सशक्त होना भी स्वस्थ शरीर के लिए अत्यन्त आवश्यक है। प्राणशक्ति क्षीण होने पर शरीर अशक्त, बीमार और दुबला-पतला हो जाता है। यदि मन अस्वस्थ है तो अन्नमय कोश को स्वस्थ रखने वाले सभी घटक यथा भोजन, निद्रा, व्यायाम, कार्यरतता आदि प्रभावित होने से भी अन्नमय कोश अशक्त, रुग्ण और दुबला-पतला होने लगता है।

प्राणमयकोश : प्राण, शरीर से अत्यधिक सूक्ष्म हैं और सम्पूर्ण शरीर में व्याप्त हैं। प्राण का आधार श्वास है। शरीर को चलाने वाली ऊर्जा प्राण ही है। शरीर को वैज्ञानिकों ने चलता-फिरता बिजलीघर कहा है, इसके आन्तरिक अंगों की ऊर्जा को हम मेडिकल साइंस में ईसीजी, ईईजी, ईएमजी आदि के रूप में मापते हैं। बाह्य ऊर्जा को मापने के लिए रूसी वैज्ञानिक सेमियन किरिलियन (Semyon Kirlian) ने किरिलियन फोटोग्राफी विकसित की, जिसके तहत व्यक्ति और वस्तु का आभास मापा जा सकता है। पाचन, श्वसन, रक्त संचरण, निद्रा आदि क्रियाएं प्राण से संचालित हैं। प्राण के निकल जाने पर प्राणी को मृत या जड़ माना जाता है।

प्राणमयकोश के पुष्ट होने के लक्षण - उत्साह, जिजीविषा, कार्य करने में रुचि, साहस, पराक्रम, महत्वाकांक्षा, सकारात्मक विचार, आत्मविश्वास आदि प्राणमय कोश के पुष्ट होने के लक्षण हैं। प्राणमयकोश को पुष्ट करने हेतु सही श्वसनक्रिया, स्वस्थ श्वसनतंत्र, प्राणायाम का अभ्यास तथा शुद्ध आहार तथा पर्याप्त निद्रा आवश्यक है।

मनोमयकोश : मन प्राणों से भी सूक्ष्म है तथा मन बिना किसी आधार के रहता है। मन को ही मनोमयकोश कहा जाता है। पांचों ज्ञानेन्द्रियां, यथा नेत्र, कान, नाक, जिह्वा और त्वचा, जिनके द्वारा देखना, सुनना, सूंघना, स्वाद लेना और स्पर्शानुभूति सम्भव होती है, वे भी मनोमयकोश के अधीन हैं। मन के चिन्तन, संवेदन, आवेग ये मनोमयकोश के अन्तर्गत आते हैं।

मनोमय कोश को पुष्ट करने हेतु: मन को स्वस्थ रखने के लिए मन का संयम आवश्यक है। मन की एकाग्रता, शान्ति, अनासक्ति, विकारों से मुक्ति आदि से ही मन का विकास होता है। योगाभ्यास, संगीत, सात्विक भोजन, सत्संग, सुसंस्कार, स्वाध्याय, किसी कला (वादन, गायन, नृत्य, चित्रांकन, लेखन आदि) में तल्लीनता से मन पुष्ट होता है।

विज्ञानमयकोश : मन से भी सूक्ष्म है बुद्धि, जो गहराई से सब कुछ समझती और अच्छा-बुरा जानने का प्रयास करती है, इसे ही विज्ञानमयकोश कहा जाता है। पंच कर्मेन्द्रियों सहित बुद्धि को विज्ञानमय कोश कहा गया है। बुद्धि भी बिना आलम्बन के रहती है। बुद्धि का काम है निरीक्षण-परीक्षण, विश्लेषण एवं विवेक के साथ निर्णयात्मक स्थिति को प्राप्त करना। मन डोलायमान है परन्तु बुद्धि निश्चयात्मक है। किसी घटना, किसी व्यक्ति, किसी वस्तु आदि के विषय में ज्ञान, तर्क, तार्किक अनुमान तथा पूर्व अनुभवों के आधार पर समग्रता से सोचना, गहराई से विश्लेषण कर नीर-क्षीर विवेक के माध्यम से किसी सटीक निर्णय या निश्चयात्मक स्थिति तक ले जाने वाली समझ को सद्बुद्धि कहते हैं।

विज्ञानमय कोश को पुष्ट कैसे करें – पूर्वाग्रहों से मुक्ति, मन की एकाग्रता, शान्ति और अनासक्ति (समभाव) से बुद्धि शुद्ध, तेजस्वी और तीक्ष्ण हो सकती है। श्रीरामचरितमानस में विज्ञानमय कोश के बारे में लिखा है कि “बिबु बिग्यान की समता आवइ।” अर्थात् विज्ञान (तत्त्वज्ञान) के बिना क्या समभाव आ सकता है? यह तत्त्वज्ञान कि सभी प्राणियों में ईश्वर विराजमान हैं, यदि यह बात दृढ़ता से समझ में आ गई तो समभाव अवतरित हो सकता है।

आनन्दमय कोश : विज्ञानमय कोश से अधिक सूक्ष्म, अधिक व्यापक, अधिक तरल एवं अधिक स्वच्छ आनन्दमय कोश है और इसे चित्त भी कहते हैं। चित्त का स्वभाव है आनन्द, प्रेम, सौन्दर्य, स्वतंत्रता एवं सहजता। यह भाव कि प्रत्येक जीव वास्तव में अत्यंत ब्रह्म ही है। इन कार्यों से आनन्दमय कोश पुष्ट होता है, निःस्वार्थभाव से किया गया त्याग, परोपकार, दया, दूसरे की प्रसन्नता के साथ सेवा।

अस्तु, यह जान लिया कि मैं शरीर नहीं हूँ, मैं प्राण नहीं हूँ, मैं मन नहीं हूँ, मैं केवल विचार भी नहीं हूँ, तब मोक्ष का द्वार खुलता है और तब अन्यो के भीतर विराजमान परमात्मा की अनुभूति होने लगती है और तब व्यक्ति आनन्दमय कोश में जीने वाला माना जाता है।





Flash of IMA Activities



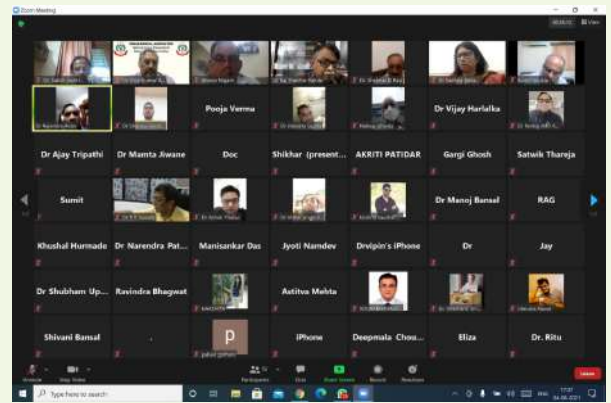
कुलीनैः सह सम्पर्कं पण्डितैः सह मित्रताम् ।

ज्ञातिभिश्च समं सख्यं कुर्वाणो नावसीदति॥

अर्थात् कुलीनों के साथ सम्पर्क, ज्ञानीजनों के साथ मित्रता, जातीय बन्धुओं के साथ मेलजोल रखनेवाला व्यक्ति कभी दुःखी नहीं होता है। आचार्य चाणक्य के इस नीतिवचन से यह स्पष्ट है कि चिकित्सा के क्षेत्र में हमें भी अपनी जातीय बंधुओं के साथ सरोकार के साथ, एकता के साथ रहना होगा। संस्कृत का यह श्लोक संभवतः हमारे चिकित्सा क्षेत्र के लिए अब बड़ा महत्वपूर्ण हो रहा है जब हमारी एकता के ऊपर हमें केंद्रित होना चाहिए।

हम विकिक्सकों की जूनियर विंग जो जूनियर डॉक्टर के नाम के से जानी जाती हैंके साथ अब इंडियन मेडिकल एसोसिएशन का भी वरद हरत है जिससे अब हम एक ऐसी मजबूत टीम बना रहे हैं जहां युवा रक्त के साथ अनुभव का भी समावेश होगा और स्वाभाविक रूप से हमारी समस्याओं के निवारण हेतु अब हम एकजुटता के साथ शासन के समक्ष प्रस्तुत हो पाएंगे जैसा कि इस श्लोक में प्रदर्शित है हमें हमारी एकजुटता और विचारों की सामंजस्य था को एक समान रखकर अपनी विचारधारा को स्थापित करना होगा सरल शब्दों में कहें तो हमें अपनी रेखा बड़ी करने का प्रयास हमेशा करना होगा ताकि विशेष रूप से हम बंद मुद्दी की भांति एक ताकत के रूप में सदैव प्रदर्शित हो और शासन प्रशासन को यह संज्ञान रहे कि विकिक्सकों की शक्ति की अवहेलना नहीं की जा सकती है शायद हम इसमें हमेशा पिछड़ते रहे हैं।

आपकी यह पदाधिकारियों की टीम पिछले एक साल से कोविड-19 के प्रभावों नियंत्रण हेतु विभिन्न प्लेटफार्म पर मजबूती से सहयोग प्रदान करती आई हैं, जिनमें वैक्सीनेशन के विभिन्न चरणों का कार्यान्वयन के साथ-साथ निजी एवं शासकीय चिकित्सालय में औषधि, शैया उपलब्धता तथा हमारे विज्ञान के प्रति चिकित्सकों एवं आम जनता में ज्ञान के प्रचार प्रसार में भी हमारा विशेष ध्यान रहा है। पिछले कुछ दिनों से कोविड-19 के संक्रमण में कमी आई है और इसके लिए इंदौर के सभी नागरिकों को मैं धन्यवाद देता हूँ कि उन्होंने लॉक डाउन के दौरान घर में रहकर अच्छे से पालन किया है और इसीलिए यह बीमारी अब थोड़ा-सा नियंत्रण में हैं, आगे भी कोविड-19 के प्रोटोकॉल का पालन हम सभी को करना है और हम चिकित्सकों की यह नैतिक जिम्मेदारी है कि हम विभिन्न सोशल इलेक्ट्रॉनिक अथवा प्रिन्ट मीडिया के माध्यम से आम जनता को यह बताते रहे कि हमारे लिए क्या करना आवश्यक है ताकि समाज के रूप में हम सुरक्षित रह पाएं। पिछले दिनों में बच्चों में कोविड-19 के बच्चों में आने वाली तीसरी लहर के बारे में बड़ी चर्चा हुई है, मेरा व्यक्तिगत सोच है कि यदि हम कोविड के स्थापित प्रोटोकॉल का पालन करते हैं तो ना केवल हमारे बुजुर्ग या युवा बल्कि हमारे बच्चों भी सदैव सुरक्षित रहेंगे और इस हेतु हमें आम जनता में विशेष प्रचार प्रसार करते रहना है।



No more 'intimidation tactics' : IMA

In the recent days, Junior doctors association (JUDA) of Madhya Pradesh were on strike with their genuine and long pending six points demands which specifically includes better facilities, free COVID treatment for staff and kin, stipend hike, proper workplace security etc. The Junior Doctors' Association (JUDA) has been told to resume work within 24 hours by the MP High Court, terming the strike as illegal. JUDA has maintained that till their 6-point demands are not fulfilled by the government they will not return to work. This was the high time to show our solidarity for protect the rights of our juniors. Seeing the demands, rude nature of governments and assessing the conditions, IMA fully unconditionally supported JUDA. Jabalpur's MP Medical University cancelled registrations of 450 junior doctors, triggering mass resignations. Almost 3000 junior doctors resigned from six medical colleges. It was the combined efforts of all including IMA, which results in acceptance of all JUDA demands.

We all know, strength is the key to success and IMA being the largest body for doctors in India, IMA is supporting its members in almost every aspect as far as their rights are concerned. Though we are always helping government and administration in planning, implementations of policies, social and public awareness program etc etc for better and healthy India, but at the same time, we always decries intimidation tactics.

Dr Satish Joshi
President

Dr Sadhna Sodani
Secretary

Dr Rakesh Jain
Editor

CASE REPORT 1

Paediatric Neuroblastoma with Tumor Emboli in Inferior Vena Cava and metastases to Retroperitoneal lymph nodes

Authors: Dr Amit V Varma, Dr Shilpi Dosi, Dr Suvidhi Wankhede, Dr Sushmita Tripathi, Dr Prabhat Mehta, Department of Pathology

Case history: A 5-year female presented in the department of Oncosurgery with chief complaint of abdominal lump since 6 months. USG of Abdomen revealed a large heterogenous mass in left renal fossa, measuring 14.5x11cm with increased vascularity, crossing the midline, displacing kidney & spleen with minimal ascites & enlarged retroperitoneal nodes. One cycle of chemotherapy was planned & followed by Left radical nephrectomy.

Gross examination: Showed a large bosselated solid mass measuring 15.5x9.5x8 cm [Figure -1]. On cut section – gray white, variegated with areas of hemorrhage & necrosis, kidney compressed to one side & showed tumor nodules [Figure -2]. Pelvi-ureteric junction involved by tumor. Multiple perirenal lymph nodes identified.

Microscopy: Showed tumor composed of round cells with moderate nuclear pleomorphism, salt and pepper chromatin, forming Homer Wright rosettes & abundant neurophil material with extensive areas of necrosis [Figure -3]. Inferior vena cava & renal vessels showing tumor emboli. Tumor infiltrating Renal parenchyma & involving Pelvi-ureteric junction. Renal vessels and inferior vena cava showing tumor emboli [Figure- 4]. Perirenal and retroperitoneal Lymph nodes showed tumor metastases.

Final diagnosis: Neuroblastoma (Differentiated) – Left adrenal gland involving left kidney, PUJ and metastases to Perirenal and Retro-peritoneal Lymph nodes.



Figure 1. Gross image - Large, solid mass measuring 15.5x9.5x8 cm with Bosselated surface



Figure 2. Gross image –Cut section of mass gray white, variegated, involving Adrenal, Kidney and PUJ

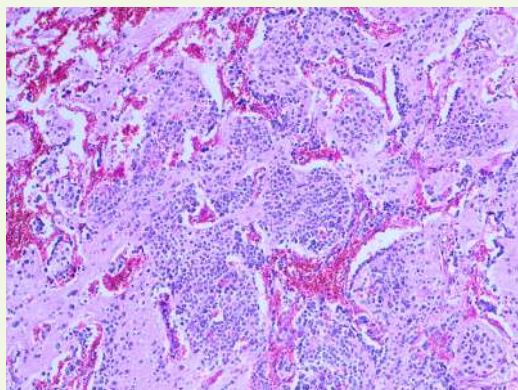


Figure 3 . Photomicrograph showing Round tumor cells with salt and pepper chromatin, forming Homer Wright rosettes & abundant neurophil material (H & E -10x)

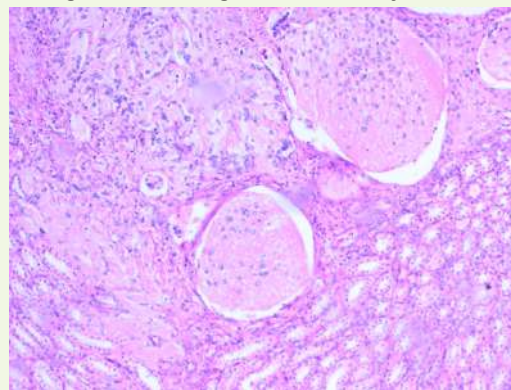


Figure 4. Photomicrograph showing tumor emboli in renal vessels (H & E -10x)

CASE REPORT 2

AN INTERESTING CASE OF PANCREATIC HEAD MASS

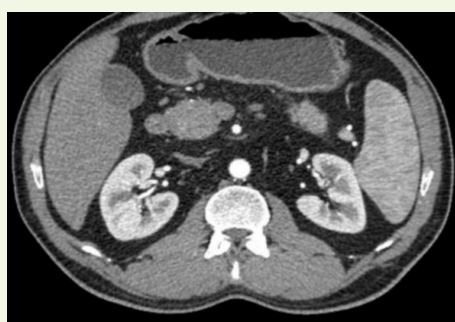
Authors : Dr. Mohd Talha Noor, Professor and head, Dr Rahul Sudan, Senior Resident, Dr Deep Kamal Soni, Senior Resident, Department of Gastroenterology

A 44-years-old male, teacher by occupation, resident of Guna, presented with chief complaints of yellowish discolouration of skin, sclera, urine and pruritis for 1 month. General physical examination revealed pallor, icterus whereas systemic examination showed hepatomegaly (2cm below coastal margin). Laboratory investigations showed hyperbilirubinemia Bilirubin: 22.21 mg/dL (Direct: 19.60 mg/dl, Indirect: 2.61 mg/dL), elevated SGOT: 55 U/L, SGPT: 59 U/L and ALP: 380 U/L. Serum cancer antigen 19-9: 3u/ml (0-37u/ml), carcinoembryonic antigen: 2.33 ng/ml (<3ng/ml) and SERUM Immunoglobulin G4: 0.54 (.03-2 g/l) were normal.

Ultrasonography of abdomen showed bulky head of pancreas, distended gall bladder and mild intrahepatic biliary radical dilatation. Contrast enhanced computed tomography and magnetic resonance cholangiopancreatography of the abdomen (Figure 1, 2) showed an ill-defined moderately enhancing soft tissue mass measuring (3.2 x 2.8 cm) involving head of pancreas. This mass was encasing the hepatic artery and causing extrinsic compression over the common bile duct from medial side with resultant mild to moderate intra hepatic biliary dilation. Trucut biopsy of mass in head of pancreas showed inflammatory infiltrate containing numerous plasma cells, few small mature lymphocytes and occasional polymorphs. The overall histomorphology of this biopsy was consistent with IgG4 related disease (autoimmune pancreatitis). Clinical and laboratory features were suggestive of autoimmune pancreatitis. Patient was started on prednisolone 40mg/day. Bilirubin level decreased from 22.21mg/dl to 1.25mg/dl over a period of 16 days. CECT abdomen pre and post steroids (3a, 3b) showed regression of the soft tissue mass. Final diagnosis of autoimmune pancreatitis-type 1 was made. Autoimmune pancreatitis (AIP) is a chronic, steroid-responsive fibro inflammatory disease of the pancreas. The incidence and prevalence of AIP remain largely unknown, but they are increasingly being identified. The international consensus diagnostic criteria (ICDC) classify AIP as type 1 AIP or lymphoplasmacytic sclerosing pancreatitis, type 2 AIP or idiopathic duct centric pancreatitis (IDCP), or AIP not otherwise specified.

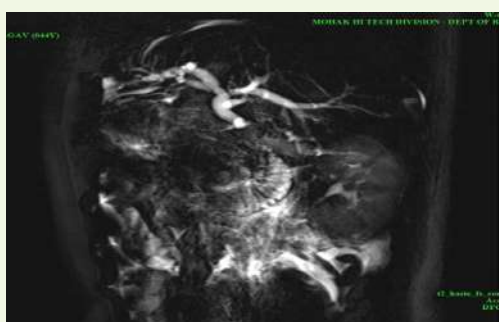
Conclusion- Autoimmune pancreatitis (AIP) can clinically mimic pancreatic adenocarcinoma. The accurate distinction of AIP from pancreatic cancer is of utmost importance as it avoids unnecessary surgery in AIP. Favorable good response to treatment with steroids is characteristic of AIP.

Figure 1: CECT Abdomen –



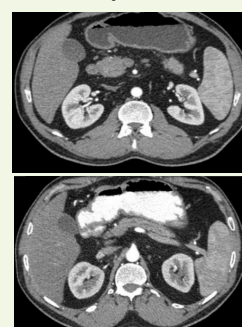
Arrow here demonstrates an ill-defined moderately enhancing soft tissue mass measuring (3.2 x 2.8 cm) involving head of pancreas.

Figure 2: MRCP Abdomen-



Arrow here demonstrates dilatation of intrahepatic biliary radicles.

Figure 3a, 3b: CECT abdomen showing regression of size of soft tissue mass in post steroid image.



PRE STEROID THERAPY (Figure 3a)
POST STEROID THERAPY (Figure 3b)

CASE REPORT 3

Mucoepidermoid Carcinoma involving minor salivary glands of the palate

Author : Department of Oral Medicine and Radiology, Shri Aurobindo College of Dentistry, Indore

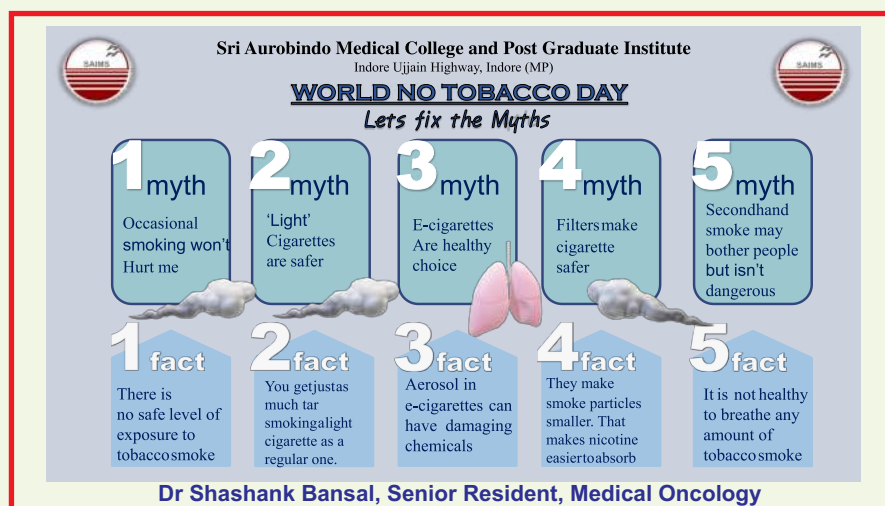
A 22-year-old female patient reported to the department of Oral Medicine and Radiology, SAIMS, with the chief complaint of palatal swelling in her right back teeth region since 4 years. The onset of the swelling was gradual which has grown into the present size within 4 years and was not associated with any pain or discharge. On clinical examination, a dome shaped, well- demarcated swelling measuring approximately about 2-3 cm was seen on the rightposterior side of the hard palate extending towards the midline. It extended anteriorly to mesial surface of the second premolar, posteriorly to mid of the second molar, medially 2–3 mm away from the mid-palatine raphae and laterally towards the gingiva in relation to 15, 16 and 17 region. The colour of the mucosa over the swelling was normal with a blue tinge. The swelling was non-tender on palpation, soft in consistency with regular smooth borders.

Full volume CBCT scan was carried out, which demonstrated presence of homogenous hypodensity at the right posterior hard palate region. Size of the lesion was 16.7 mm mesiodistally, and 12.8 mm buccopalatally. No evidence of resorption or expansion of cortical plate was seen. This was suggestive of soft tissue lesion involving the hard palate in relation to 17. Therefore, the patient was advised for biopsy.

Biopsy revealed duct like spaces which are lined by ductal epithelium comprising of small polygonal cells with a single nucleus and scanty cytoplasm resembling epidermoid cells and few large cells with wispy cytoplasm and a single nucleus resembling mucous cells. Numerous islands of epidermoid cells interspersed in between which are few large mucous cells can be seen. Histological features suggestive of Mucoepidermoid Carcinoma Grade I.



31st May – World No Tobacco Day Competition



“ One moment of taste,
And a lifetime of bills,
STOP IT now, TOBACCO Kills.
Arwa Zenith
BPT 1 Year, IIMS ”

“ जन-जन में गूंजे ये नारा,
तंबाकू छुड़वाना लक्ष्य हमारा ।
Dr. Amit Shrivastava
Department of Radiodiagnosis ”

“ छोड़ देना गुटका, बीड़ी, सिगरेट,
वरना गिर जाएगी जिंदगी की विकेट
Dr. S V Dhodapkar
Professor, Dept. of Periodontics ”

“ धूम्रपान ने ली कई लोगो की जान,
अब तो संभल जाओ, बचा लो अपने प्राण !!
Dr. Nisha Modi
Assistant Professor,
Department of Pathology ”



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