

Kalinga Institute of Medical Sciences
Pradyumna Bal Memorial Hospital, Bhubaneswar

KIMS

Journal



Prof. Achyuta Samanta,
Founder, KIIT, KISS & KIMS
HEALTH CARE
"Healthcare with Healing Touch"



BIMONTHLY NEWSLETTER | VOLUME-9 | ISSUE-II | JULY 2022

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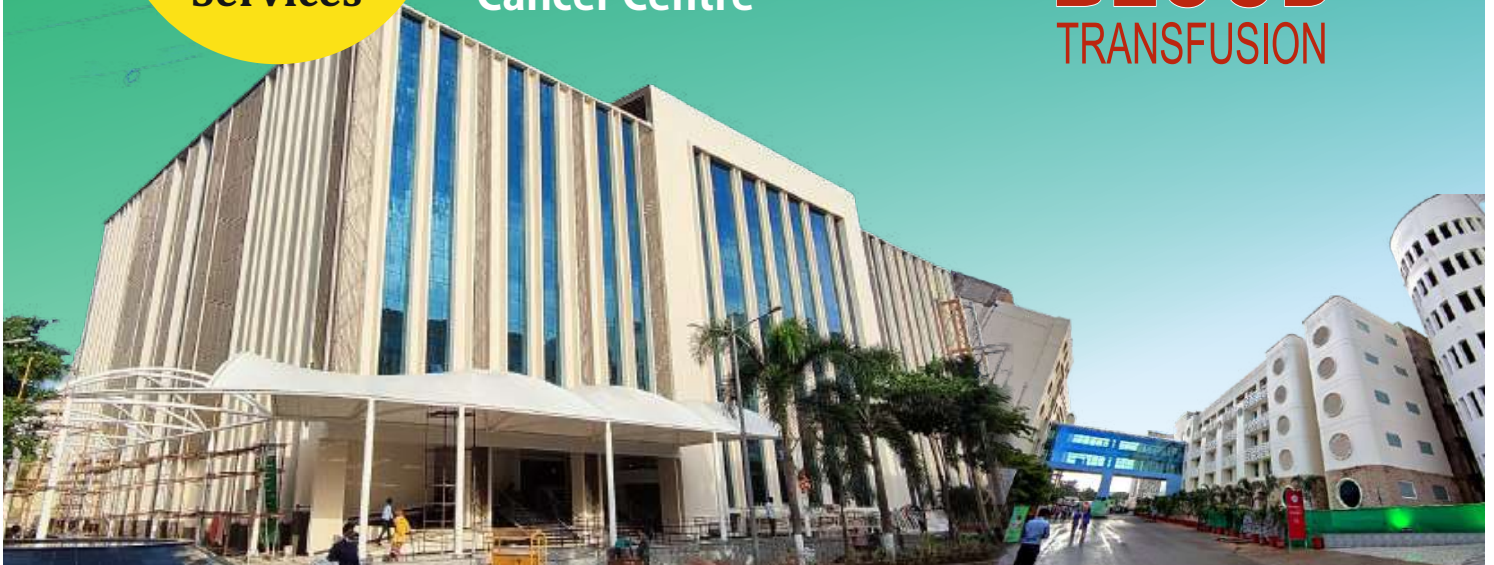



**New
Benchmarks
in Healthcare
Services**

**CM Inaugurates
KIMS Super Speciality
Hospital &
Cancer Centre**



**BLOOD
TRANSFUSION**





Blood Transfusion, since James Bundell performed it in 1840 for the very first time in a patient of Post Partum Hemorrhage, has come a long way. Since then there were several landmark discoveries, including discovery of blood groups to screening for potential pathogens transmissible by blood products. **KIMS Blood bank** caters not only to our hospital but also to several adjoining hospitals nearby providing round the clock services to the community.

State of the art infrastructure including **Plasma apheresis machine** and **Chemiluminescence machine** makes it unique in this part of the country. In the cover story section of this issue, we highlight the department of Transfusion Medicine and its achievements in last 5years.



BLOOD TRANSFUSION

HIGHLIGHTS OF THE ISSUE

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Founder's Vision

Designed with you in the centre

Our range of facilities is designed to ensure that you are always put first and receive the best possible care, safety and comfort



- A campus that reflects an ethos of healing and patient centricity
- At KIMS- Super Specialty Hospital, we want the same thing as you, Better Health.
- 300 separate ward beds with 55 critical care beds, 28 outpatient consultation rooms, 07 operation theatres, super specialty doctors, 20 +departments and 24x7 emergency care
- Our Quaternary care, technologically advanced hospital promises you exceptional care in diverse specialities.
- KIMS Super Specialty Hospital aspires to deliver the most modern , technologically advanced platform with the best of infrastructure in Critical Care, Operating Rooms, Imaging Services, Laboratories etc.
- KIMS Super Specialty is probably the only hospital in Eastern India , equipped with O-arm surgical imaging system, Flat panel digital 4D cath lab for Neuro-cardio interventions. Best of the monitoring devices, Hi End modular OTs & Speciality dedicated ICUS & Transplant ICUs
- The Centre will soon start multi organ transplant program.
- It's a centre which is equipped with the most modern technology to conduct maximum possible Minimally Access Surgeries , resulting in to a shorter hospital stay, faster recovery and hardly any blood transfusion.
- The centre is backed by 200 + clinicians and skilled force of nursing & paramedical force to deliver round the clock service ensuring the best of care and safety for the patients.

Honorable Founder
Prof Achyuta Samanta



From

THE EDITOR'S DESK....

There is dearth of dedicated Cancer Hospitals and Super Specialty Hospitals all over Eastern India, including Odisha. As per IHME database, India ranks 10th among lowest prevalence of cancer in population (94.6 among males & 106.6 in females). However, given its large population and unequitable distribution of access to good health care, there are, still people, who have to travel to faraway places for treatment for not only Cancer, but also for many tertiary care services; for example, for Dialysis, solid organ transplants, critical care services etc. Towards this end, in accordance with our Hon'ble founder's vision to provide affordable health care to needy population. 2 dedicated hospitals, each 300 bedded, exclusively for Super specialty care and Cancer care, was inaugurated by our state's Hon'ble Chief Minister on 29th July 2022. This day, will, in years to come, be significant in ushering a significant change in the health care scenario in this part of India.

Similarly, the science of Blood transfusion has come a long way from whole blood infusion to present state where individual blood products are infused as per individual patients' need. In the present issue in "Department in focus" section, we highlight the impact of Transfusion Medicine and KIMS Blood Bank making in the lives of not only KIMS patients but also of other patients of surrounding hospitals and nursing homes.

With best wishes....
(Editor)



Shri Naveen Patnaik, Hon'ble Chief Minister of Odisha
inaugurating KIMS Super Speciality Hospital & Cancer Centre on 29th July 2022.

New Benchmarks in Healthcare Services

CM Inaugurates KIMS Super Speciality Hospital & Cancer Centre

Bhubaneswar, July 29: Shri Naveen Patnaik, Hon'ble Chief Minister of Odisha on Friday inaugurated the KIMS Super Speciality Hospital and the KIMS Cancer Centre with state-of-the-art infrastructure and high-end facilities in the presence of Shri Naba Kishore Das, Hon'ble Minister, Health and Family Welfare, Govt. Of Odisha, Dr. Achyuta Samanta, Founder, KIIT, KISS & KIMS.

KIMS has expanded its infrastructure with 1600 beds fully air-conditioned hospital for the general public and economically weaker sections people. The modern complexes will offer the most advanced healthcare services to patients coming from Odisha and neighboring states such as West Bengal, Bihar and Jharkhand.

The addition of the new facilities will give a major boost to the quality healthcare services at an affordable price, set new benchmarks and strengthen KIMS' commitment to offering the best treatment for all ailments in Odisha itself.

The 300-bed Super Speciality Hospital will have 12 Super Speciality departments. They are Cardiology; Cardio Thoracic and Vascular Surgery (CTVS); Gastroenterology and Hepatology; Surgical Gastroenterology; Nephrology and Kidney Transplant; Urology, Neurology, Neurosurgery, Endocrinology, Clinical Immunology and Rheumatology; Orthopaedics and Spinal Surgery and Plastic Surgery.

The 300-bed Cancer Centre will be headed by acclaimed radiation oncologist Prof Bidhu Kalyan Mohanti. The Centre will immensely help the people from Odisha and outside with five distinct Super Speciality Departments, namely, Medical Oncology, Surgical Oncology, Nuclear Medicine, Radiation Oncology and Palliative Care.

It is the only centre to possess some high-end medical equipment in Odisha. The hospital has pioneered complex procedures to aid in faster patient recovery and has been recognised for its services by premier-ranking agencies in India and abroad. Most of the

departments are headed by acclaimed doctors and Padma awardees, established names who command awe and respect in equal measures. Evidently so, it has become the first choice for countless people in Eastern India.

Among others, Smt. Saswati Bal, President, KIIT & KISS; Shri R. N. Dash, Secretary, KIIT & KISS, Prof. Subrat Acharya, Pro-Chancellor, KIIT-DU; Prof.

Sasmita Samanta, VC; Prof Dr. CBK Mohanty, Pro-Vice Chancellor; Padma Shri Prof Dr Y.K. Chawla; Prof Bidhu Kalyan Mohanti; Prof Ramnath Misra; Prof Anil Chandra Anand; Prof (Brig) Dr Ambika Prasad Mohanty, Prof. Ram Chandra Das; Prof (Brig) Dr Sudhanshu Kumar Rath; Prof Dr Narendra Kumar Das and Prof. Dr. Hemant Kar were also present on the occasion.



2600 Bedded Multispeciality Hospital

(Fully Air-conditioned and First of Its Kind in India)

Vital Information

- 1600 bedded General Hospital (PBMH) - including 310 ICU & HDU beds for general patients and BSKY patients. It is fully Air-Conditioned.
- 1000 other beds (including 300 bedded Superspeciality Hospital & 300 bedded Cancer Hospital)
 - 310 ICU & HDU beds
 - 405 Cabins
 - 220 Sharing Cabins
 - 65 Pre and Post Operation beds
- 25 nos. Modular OT with all recent Technology
- State-of-the-Art Central Laboratory & Molecular Lab
- 250 MBBS Seats Per year
- 150 P.G.(Medical) Seats Per year
- 100 BDS Seats Per year
- 200 Nursing Seats Per Year
- Total regular employees in KIIT, KISS & KIMS - 14000, out of which in KIMS it is 7000
- Total temporary employees - 5000 (working under different contractors in KIIT Group of Institutions).
- Dr. Subrat Kumar Acharya; Dr. CBK Mohanty and many renowned physicians from all across the country are serving in KIMS.



BLOOD TRANSFUSION

KIMS blood bank and Department of Transfusion Medicine has started its operations in 2005. Since then it has been a phenomenal journey. Presently the department is manned by 4 full time doctors (1 Professor, 1 associate Professor and 2 Assistant Professor), 8 technicians, 2 nursing officers and 8 other para medical personnel. Last year alone, it has collected 5168 units of blood and distributed over 10000 units of various blood components, not only to our hospital but also to various hospitals and nursing homes of Bhubaneswar. The department has obtained its first license for whole blood in 2005, for blood components in 2012. Since then, there has been no looking back. Screening for various pathogens transmissible by blood components done by the latest state of the art Chemiluminescence method, unlike in various other blood banks. In 2020 a plasma Apheresis machine was installed which is used for separating various blood components of donors' whole blood.

However, much needs to be done in terms of voluntary blood donation as the demand far outstrips the supply not only in our state but all across India. Thereby, to increase awareness among community, every year on June 14th, World Blood donor day is celebrated. In addition, round the year various blood donation camps are organized in collaboration with community members from time to time. One should encourage young active individuals to come forward for voluntary blood donation on a regular basis and various stake holders like – Government agencies, NGOs, community leaders should encourage it on regular basis so as to dispel many myths regarding voluntary blood donation.



World Blood donor day is celebrated. In addition, round the year various blood donation camps are organized in collaboration with community members from time to time.



BLOOD DONATION CAMP AT KISS

Honourable Founder encouraging the students of KISS during the event



Leading the way : Blood donation by the faculty of KIMS on the World Blood Donor Day-2022

Felicitation of Donors on the occasion of World Blood Donors Day-2022



Release of Blood donor educational material during the CME by the Director General, MS, and Vice Principal of KIMS

Upgrading the facilities of KIMS Blood centre by adding Apheresis facility

INTERVIEW



KIMS Blood bank and Department of Transfusion Medicine is headed by Prof (Dr)SukantTripathy. He did his MBBS from MKCG Medical College, Berhampur followed by MD pathology in Armed Forces Medical College, Pune. He also got himself trained from All India Institute Of Medical Sciences, New Delhi in Transplant Immunology . He has extensive experience in the field of Transfusion Medicine and has served over 33 years in Army Medical Corps. We are delighted to have him heading this crucial department in KIMS.

? Sir, at the outset, we would like to thank you for heading an important specialty of “Transfusion Medicine” of our tertiary care hospital. Please give a detailed overview of your department as well as facilities available here.

A The Blood Bank in KIMS was started in the year 2005. The centre has come a long way from its humble beginning to become one of the most important service departments of the hospital. The blood center, initially had the license only for whole blood. But keeping with the growth of the hospital coupled with the demand for blood components, this center got the license for blood component in.2012 and an Apheresis unit has been set up in 2020. The department possesses latest, state of the art equipment that enable use of advanced techniques for processing, screening and storage of blood.

The Blood Bank gives service 24 hours a day and 365 days a year. The staff is well qualified, dedicated and proficient. In addition to meeting the regular requirements of PBMH patients, the blood bank also provides transfusion support to various other hospitals and nursing homes in the city. As part of social campaign, there is a constant effort to encourage and motivate patient's attendants and relatives to donate blood.

Apart from clinical services, the department is also actively engaged in academics and training activities of Post graduate and Undergraduate students of KIMS, Nursing students of KINS and other Paramedical staff on a regular basis.

? What is the scenario of voluntary blood donation in our state? Are we achieving the target or in other words, are we able to meet the needs of our patients?

A World Health Organization (WHO) states that, 1% of the population is generally the minimum needed to meet a country's most basic requirements for blood. One of the stated objectives of India's National Blood Policy is to develop strategies towards increasing Voluntary Non remunerated Blood Donors to meet these demands. Although significant progress has been made over the years, there is much to be done especially with regard to Voluntary Non remunerated Blood Donors promotion. In Odisha, the proportion of blood units collected through voluntary blood donation in the year 2021 is approximately 67 % . There is a need to fill this gap of demand and supply.


? What steps can be done to increase awareness of blood donation “in our institute” in particular and in the society in general.


A KIMS is a super specialty hospital having 1750 beds. With increasing bed strength and addition of new facilities there has been a quantum jump in the demand for blood and blood products over the years. As the collection of Blood through voluntary blood donation is grossly inadequate to cater to the demands, the blood bank mainly relies on the replacement modality to meet the requirements of the hospital. A few steps can be taken at our end to face these challenges.

Firstly, it is a truism that nothing impresses the potential donor more than a specific instruction from the treating clinician. So when a doctor in charge of the patient asks the patient's relatives or attendants to arrange a potential replacement donor, the donor should also be educated by a member of the treating team to allay the apprehensions of the donor about blood donation and inform him about the benefits of voluntary donation and encourage him for the same.

Secondly, an important and potential source that can be tapped for blood donation is the young and physically fit students from the myriad of educational institutions under KIIT University. Students are mostly healthy, generally altruistic in nature and they can become a valuable pool to meet the blood demands of our hospital. But this will require a concerted and sustained effort at all levels. The development of awareness programs among the university's students will encourage them to join donation campaigns. Though students have always come forward to participate in blood donation drives as and when conducted to mark special occasions, these sporadic occasional events are not ideal to sustain a buffer stock all the time. An adequate and reliable supply of safe blood can be assured by a stable base of regular, voluntary, unpaid blood donors. The challenge is to successfully recruit and maintain an adequate blood supply throughout.


It will be worthwhile to maintain a database of consenting donors who need to be reminded about when they are eligible to donate the next time, using

 technology such as short messaging service (SMS) and email which will go a long way in circumventing the challenge of shortage of blood at our centre.

 **What makes our blood bank unique - in other words, do we have any special facility/equipment that other blood banks in this area do not have or very few blood banks have?**

Blood banks in the city are still following old methods of testing blood pathogens, but we have shifted to the much-needed newer methods like chemiluminescence assays to increase the detectable limit of pathogens to make these products safer. Similarly, very few blood banks in the city have SDP collection by apheresis machine which is available in this blood centre.

 **What is your vision for your department in coming years?**

 The Blood centre has been rechristened as the Department of Transfusion Medicine and an MD Course will be started in the near future. With the addition of newer facilities in the hospital which include transplantation and oncology, the centre is on a modernization drive to take up complex procedures like therapeutic apheresis, irradiation of blood products, antibody screening and identification and red cell phenotyping etc. Our vision to see it become a Blood "Centre of excellence" in the state.





ENDOPHTHALMITIS BY PASTEURELLA CANIS : A RARE CASE REPORT

Dr Harshita P (Dept. of Ophthalmology), Dr Smrutilata Sahoo (Dept. of Microbiology),
Dr Manmath K Das (Dept. of Ophthalmology)



Introduction :-

Pasteurella is a genus of facultative anaerobic gram-negative coccobacilli typically found in the oral flora and digestive tract of domestic dogs and cats. These zoonotic species are absent in the normal flora of humans. Several species of Pasteurella, including Pasteurella multocida and canis have been implicated as a cause for soft tissue and skin infection. Specifically, Pasteurella canis infection has been reported most commonly in soft tissue, bone, joint, and wound infections after dog bites and scratches. Immunosuppressed patients and those diagnosed with chronic systemic illnesses including diabetes, cirrhosis, rheumatoid arthritis are at greater risk for infection, even in the absence of obvious entry site. Ophthalmic infections attributed to P Canis is extremely rare and currently limited to case reports of conjunctivitis, and post-traumatic ocular surface culture isolates. To date, there have not been any described cases of P canis endophthalmitis

Case Report :-

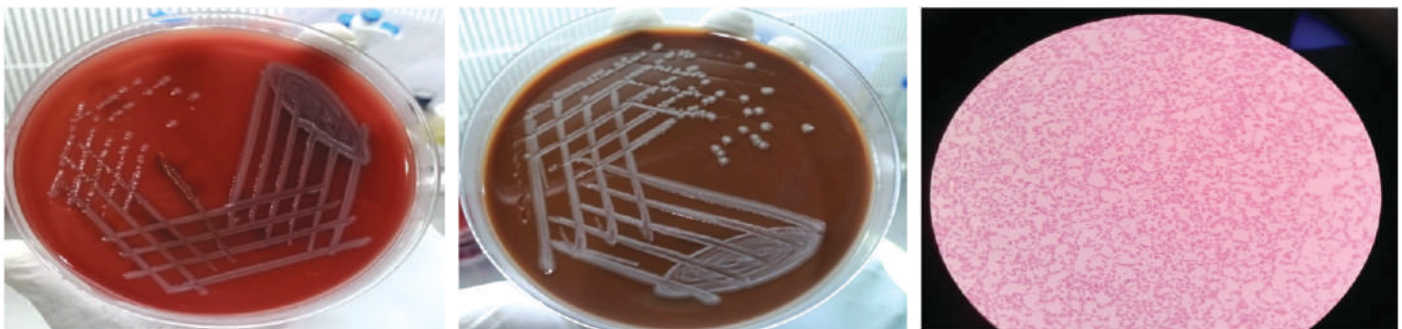
A 67 year old female presented to our hospital with chief complaint of diminution of vision of right eye since 1 year. She was diagnosed with immature senile cataract with grade 4 nucleus sclerosis of right eye with best corrected vision of counting finger 1 metre. She underwent an uneventful phacoemulsification with

intra ocular lens implantation of right eye. On postoperative day 1, on slit lamp examination there was diffuse conjunctival congestion with fibrinous exudates in anterior chamber and aqueous cells.

Fundus couldn't be visualized due to marked anterior chamber reaction. Based on clinical findings, patient was treated with sub conjunctival mydracaine, topical moxifloxacin 10 times a day, prednisolone acetate 1% for 10 times a day and oral prednisolone 30 mg once daily given for one week, topical homatropine hydrobromide 3 times per day in RE is given.

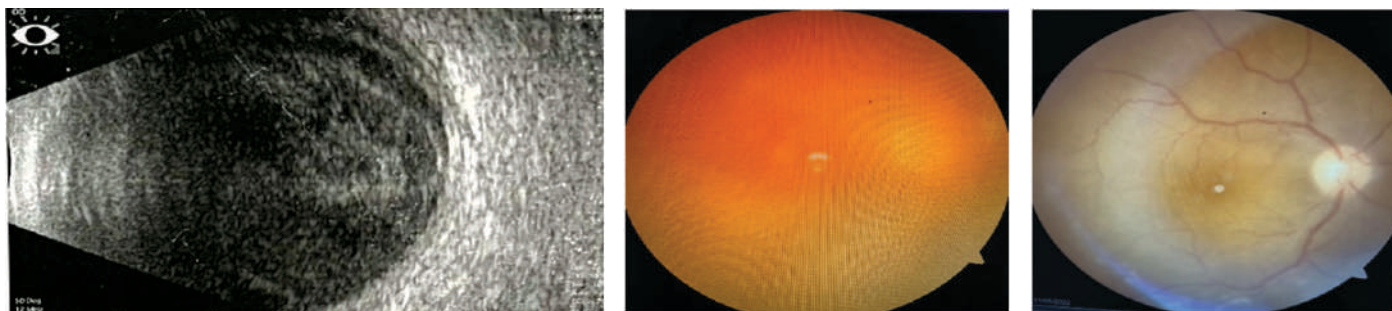
On postoperative day-4, the patient vision had improved to 6/24 in Right eye. After 1 week patient presented with best corrected visual acuity of counting finger close with corneal edema, hypopyon 1mm, cells in anterior vitreous phase and no view fundus. On B scan, there were hyper-echoic vitreous opacities. Patient was diagnosed as post-operative endophthalmitis and pars plana vitrectomy with and intravitreal antibiotics amikacin 0.1 ml and vancomycin 0.1 ml and dexamethasone 0.1 ml are given. Vitreous fluid was collected maintaining aseptic condition and was sent to microbiology laboratory.

On Microscopic examination (Gram stain), few polymorphs and few short Gram negative bacilli were seen. On KOH mount, no fungal element was found. The sample was inoculated on blood agar, chocolate agar, MacConkey agar and SDA. The culture plates were incubated at 37°C in carbon dioxide incubator for 24hr. On blood agar we found small, grey-colored, dew drop like round, smooth non-haemolytic colonies and on chocolate agar there was small grey coloured colonies of similar morphotype. On MacConkey agar and SDA there was no growth of the organism. Gram staining from the colony showed Gram-negative coccobacillus with bipolar staining. The isolate was catalase and oxidase positive.



The isolate was further identified as *Pastereuallacanis* by VITEK-2 system (Biomerieux. Co. Ltd.). There was no automatic antimicrobial susceptibility testing available, so antimicrobial susceptibility testing was performed by modified Kirby-Bauer Disc diffusion technique. The organism was sensitive to ciprofloxacin, amoxicillin, amoxicillin/clavulanic acid, gentamicin, clindamycin, doxycycline, trimethoprim-sulfamethoxazole (as per CLSI 2022 guideline). Based on culture sensitivity pt was treated with

intravitreal antibiotics (tazobactam and piperacillin and dexamethasone). Patient started with oral prednisolone 60 mg once daily for one week and tapered. Topical moxifloxacin with prednisolone acetate 1% eye drop for every 2 hourly in right eye was continued. Patient was discharged with continuation of oral and topical steroids. Patient was asked to follow up after 2 weeks, Best corrected vision was improved from counting finger close to face to 6/18 vision diagnosed as resolved acute post op endophthalmitis.



JOB syndrome - a rare case of primary immuno deficiency disease

Nishtha Loona, Satyajit Sahu, Mitanjali Sethy, Hemanta Kumar Kar
Department of Dermatology, KIMS, KIIT deemed University, Bhubaneswar, Odisha

INTRODUCTION

The Hyper-IgE syndrome (JOB syndrome) is a rare primary immunodeficiency disease characterized by clinical triad of atopic dermatitis, recurrent skin staphylococcal infections and recurrent pulmonary infections. The annual incidence is estimated at around 1 in 10,00,000 populations.¹

We hereby report a case of unusual manifestation of JOB syndrome in a 21yr old boy with atopic dermatitis and recurrent skin staphylococcal infection, but lacking recurrent pulmonary infections. He was successfully treated with 12 wks. course of oral 600mg rifampicin.

CASE REPORT

A 21 year old male born to non-consanguineous healthy parents, presented to KIMS dermatology OPD in Jan 2022 with c/o multiple itchy oozy lesions all over the body on and off since childhood. These lesions started with pruritus followed by papulovesicular eruptions all over the body with some areas of serosanguinous oozing and few lesions progressed to become nodules. After taking some local treatment, the lesions healed with hyper and hypo pigmentation along with scarring. Patient also presented with multiple painless soft swellings in the inguinal region, bilateral axillae, buttocks, left forearm and left lower face on and off

since 1yr of age. These swellings were initially 0.5 X 0.5 cm of size and progressed to a size of 3 X 4 cm over a period of 1-2 years. Some of these swellings ruptured spontaneously with seropurulent discharge. Following rupture, swellings partially regressed and over a period of 2-3yrs, it gradually reappeared at the same site which further followed the same course.

There was no history of any constitutional symptoms, delayed milestones, hearing deficits, dental defects, any recurrent respiratory tract infection or epistaxis. No other family members had similar complaints. The patient had visited many hospitals and was been treated in line of atopic dermatitis everywhere with no significant improvement.

On general physical examination, patient had a characteristic facial appearance with a broad nasal bridge, coarse features with prominent forehead and rough facial skin. Lymph nodes (cervical, axillary and inguinal) were not enlarged.

On cutaneous examination multiple erythematous scaly plaques with areas of oozing and crusting were present over extensor aspect of bilateral lower limbs and buttocks. Healed areas of hypo and hyper pigmentation along with scarring was present all over



body with relative sparing of palms, soles, head and neck. Multiple non tender, non-mobile, soft, cold abscesses of size varying from 2X3 to 4X5 cm were present bilaterally over groin region, extensor aspect of left forearm, axillae and left lower face. No signs of acute inflammation were observed on any of the abscess.

Upon investigation his CBC showed increased WBC counts (13000) with increased eosinophil percentage (27%). The liver and kidney function tests was within normal limits. Serum IgE levels was grossly elevated (740 IU/ml) while serum IgM (250 g/l) and IgG (2100 g/l) levels were also mildly raised. The viral markers (HIV, HBsAg, HCV) were negative and VDRL was non reactive. The mantoux test was also negative. The FNAC from the abscess showed seropurulent fluid which was suggestive of suppurative lesion and the culture & sensitivity report of this fluid came out to be positive for *Staphylococcus aureus* while the fungal culture, ZN staining for AFB and CBNAAT was negative.

The chest X-ray showed normal study with adequately aerated lung fields and no active pulmonary pathology was detected. The histopathological examination of the skin biopsy from the eczematous lesion came out to be suggestive of atopic dermatitis with superficial candidiasis. Based on the combination of chronic dermatitis resembling atopic dermatitis, multiple

cutaneous cold abscesses, facial abnormalities and increased IgE levels the final diagnosis of Hyper-IgE Syndrome (HIES) / JOB syndrome was confirmed.

The patient was treated with oral rifampicin 600mg once daily in empty stomach based on culture and sensitivity report for *Staph. aureus* colonization for 12wks.² For dermatitis skin lesions combination of topical steroid (fluocinolone propionate) and topical antibiotic (mupirocin) ointment along with emollients were applied topically twice daily. For itching tablet desloratidine 10mg once daily and for mucocutaneous candidiasis tablet fluconazole 150mg once weekly for 6wks were prescribed.

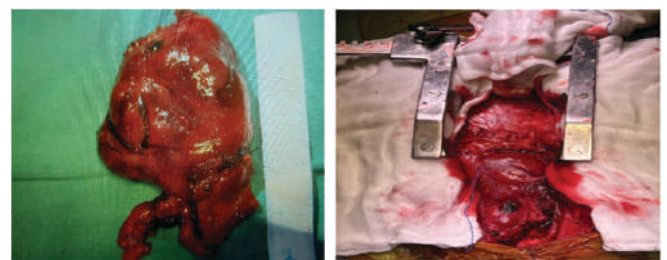
DISCUSSION

JOB syndrome is a rare disease but should be considered when resistant atopic dermatitis is accompanied by recurrent skin and airway infections. Its treatment consists of effective skin care to control both superficial and invasive *S. aureus* infection. Anti staphylococcal antibiotics are effective for most cutaneous infections, and oral triazole antifungals for mucocutaneous candidiasis. Topical steroids can be given to treat the eczema. Systemic immune suppression (such as corticosteroids) are usually not necessary, as there is typically an excellent response to antimicrobials.

Giant parathyroid adenoma operated at KIMS

Dr(Prof) Subrat Kumar Sahu, Dr Chandan Kumar Roy Mohapatra, Dr Abinash Kanungo, Dr Sai Krishna

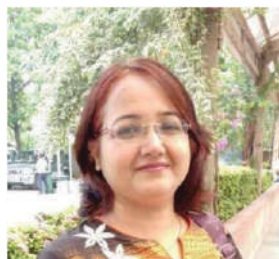
A 27 Yr female Patient presented with swelling over jaw, forehead and scalp with weakness and difficulty in breathing. O/E-She was found to have a tumour in lower part of the neck and chest (mediastinum). She had increased calcium and parathyroid hormone level. Hence surgery was planned after proper planning and detail evaluation. The criticality of the surgery in that particular case were 1. Hoarseness of voice after surgery 2. Injury to main vessels and heart 3. Incomplete removal of the tumour 4. Calcium imbalance after surgery 5. Possibility of HTN crisis during surgery. But She underwent an uneventful surgery by a team of doctors comprising of Dr. Subrat Kumar Sahu (Prof surgery & Oncosurgery), Dr Chandan Kumar Ray Mohapatra (CTVS Surgeon), Dr Abinash Kanungo, Dr. Sai Krishna. Final histopathological diagnosis of the case was given by Dr(Prof) K L Dash (Pathology). Patient recovered without any complications. It is rare to find such a giant mediastinal parathyroid gland adenoma presenting in an advanced stage who got operated with uneventful recovery. As per literature till now the largest parathyroid adenoma operated in India is 4cm. Ours



case is a 12cm parathyroid adenoma with weight of 113grms She is now under follow up of Endocrinologist Dr Dayanidhi Meher.

A Rare Case of Kasabach-Merritt Syndrome, Treated at the Department of Pediatrics

Dr M.R.Behera, Dr. Nirmal Mohakud, Dr S.L. Das, Dr. Palash, Dr. Jenith , Dr. Bharati



Kasabach-Meritt phenomenon (KMP) is a life threatening event with a triad of anemia, thrombocytopenia & coagulopathy. First described by Kasabach & Meritt in 1940. The tumors that are found to be associated with KMP are kaposiform hemangioendothelioma (KHE) & tufted angioma. More than 80 % of the cases manifest within the first year of life. Estimated mortality ranges from 10 to 37 %. Mortality & morbidity are usually associated with internal organ involvement & hemorrhage due to marked thrombocytopenia & coagulopathy. Management strategies established till now are corticosteroids, chemotherapy, propranolol, embolization, laser therapy, radiation &/ or surgery. The main aim is to control intravascular coagulopathy & to improve platelet counts, thereby preventing the major complications.

Case Presentation:

A 2 months 5 days old female infant was presented in May 2022, to the Department of Pediatrics of Kalinga Institute of Medical Science (KIMS) with an erythematous lesion over right arm from day 10 of life, and increasing in size. It is not associated with a fever or localized rise of temperature, but associated with edematous change of right upper limb. The child was on regular check up, but in view of rapid progression of the lesion along with edema, she was referred to KIMS. On admission the child was conscious, alert, afebrile and playful. Normal vitals and systemic examination revealed no abnormality. Local examination of right arm showed a hemangioma of size 8.5 cms × 14 cms. It is non tender, but associated with edema of right upper limb intact distal pulses. The skin above the lesion was reddish-violaceous with small petechiae, and no signs of devitalisation. The values of the laboratory parameters showed TLC: 18,600/cmm, Hb: 6.9gm%, TPC: 25000/cmm, and CPS shows microcytic hypochromic anemia with thrombocytopenia. The prothrombin time is 11.6 seconds, aPTT 25.8 secs, INR: 1.05, serum D-dimer: 13.23 ug/ml, and serum fibrinogen level was < 40 mg/dl.

LFT & RFT parameters were within normal range. The USG abdomen & pelvis showed no normality. Doppler study of right upper limb showed thickened

heterogeneous soft tissue over the right arm, proximal forearm with prominent vessels showing arterial & venous flow with dilated vessels in subcutaneous plane & intramuscular plane with features suggestive of hemangioma/hemangioendothelioma. A magnetic resonance imaging (MRI) examination revealed ill-defined T2/STIR hyperintense soft tissue thickening involving subdermal fat planes in arm and forearm. A CT angiogram of right upper limb showed ill defined to dense, soft tissue thickening skin & the subcutaneous plane of right arm & forearm region showing mild homogenous enhancement on post contrast study & retention of contrast in delayed phases with likely of hemangioma. A case of the Kasabach - Meritt phenomenon (KMP) was diagnosed.

Treatment

As a result of low hemoglobin, the patient received one unit of PRBC and started on the standard regimen of oral prednisone at 2mg/kg/day & IV Vincristine 0.05mg/kg weekly. On serial monitoring the edema got reduced gradually and the lesion gradually decreased in size & at the time of discharge the size was 7cms × 13 cms. Parents were advised for regular follow up at our OPD. Parents were very happy to get their child diagnosed and treated properly in KIMS. They showered their blessing to the staff and doctors taking care of their kid. We are thankful to the management for providing infrastructure and diagnostic facility to carry-out our work. This case was managed by a pediatric team consist of Prof. M.R. Behera, Prof. Nirmal K. Mohakud, Prof S.L. Das, Asso. Prof. Palash Das, and Postgraduates (Dr. Jenith, Dr. Bharati)



Pre Treatment



Post Treatment



Teamwork in a rare case of Hughes Syndrome

Authors: Suman Kumar Jagaty¹, Debashis Maikap², Prasanta Padhan², Shashank Sekhar Mallick³, Chandan Roy Mohapatra⁴, SudhansuSekhar Mohanty⁵, Aarthi Rajendran¹, Pratima Singh¹

1. Department of Pulmonary Medicine 2. Department of Rheumatology
3. Department Of Critical Care Medicine 4. Department CTVS
5. Department of Radiology



Introduction:

Hughes syndrome, also known as Antiphospholipid antibody syndrome (APS) is a state of hypercoagulability secondary to an autoimmune disorder. It is characterized by thrombotic events in venous and arterial vessels; obstetric complications characterized by recurrent fetal losses, and increased perinatal morbidity. APS usually occurs in young patients. APS is classified as primary, when not associated with other underlying diseases; or secondary, when associated with an underlying autoimmune disease (most commonly systemic lupus erythematosus/ SLE), solid tumor, or hematological disorder. Incidence of APS is only five cases¹ per 100,000 people. According to the 2006 revised APS classification criteria, APS requires the combination of at least one clinical and one laboratory criterion. Clinical criteria include vascular thrombosis (arterial, venous, or small vessel thrombosis in any tissue or organ) and/or pregnancy morbidity (one or more unexplained deaths of a morphologically normal fetus at or beyond the 10th week of gestation, or one or more premature births of a morphologically normal neonate before the 34th week of gestation because of severe pre-eclampsia/eclampsia, or recognized features of

placental insufficiency, and/or three or more unexplained consecutive spontaneous abortions before the 10th week of gestation). Laboratory criteria include positive tests for circulating aPL (antiphospholipid antibodies) on two or more occasions at least 12 weeks apart. The antiphospholipid antibodies (aPLs) include lupus anticoagulant (LA), anticardiolipin antibodies (aCLs), or antibodies against β_2 glycoprotein (1,2). Thrombotic events can occur in any tissue or organ, and must be objectively confirmed by imaging or histopathology. Significant risk factors for thrombotic events in patients with aPLs include oral contraceptives, hormone replacement therapy, cigarette smoking, and inherited thrombophilia (e.g., factor V Leiden, prothrombin 20210A, and methyl tetrahydrofolate reductase mutation). The combination of aPLs with one or more inherited risk factors significantly increases the risk of DVT and PE. APS can affect any organ, since there is a close relationship between the development of the disease and endothelial dysfunction. Binding of aPLs to membrane receptors on endothelial cells results in an increased risk of thrombosis, accelerated atherosclerosis, acute myocardial infarction (AMI), and cerebrovascular accidents in APS patients.

Case report:

A 26-year old male patient presented to our pulmonary medicine OPD with breathlessness of MMRC grade 3, cough and left sided chest pain since 4 days and an episode of frank hemoptysis 4 days back. Patient also gave a history of high grade fever since 2 days, which was associated with chills and rigor.

Past history revealed that patient had pain in right leg associated with swelling 1 1/2 months back and was diagnosed to have deep vein thrombosis, for which he was treated with heparin for 35 days and later with oral anticoagulation (Dabigatran 150mg twice daily for 10 days). He is a known smoker since last years, but has no other co-morbidities.

His general examination revealed- oxygen Saturation (SpO₂) - 92% at room air, pulse rate - 108/min, blood pressure- 100/70 mm of Hg and a respiratory rate - 30/min. He was afebrile and had no cyanosis or lymphadenopathy.

On respiratory system examination there were bilateral vesicular breath sounds which were diminished over both infra axillary and the left infrascapular areas.

Laboratory investigations revealed a normal total leukocyte count, haemoglobin level, total platelet count and serum Procalcitonin levels. C Reactive Protein was 143.406ng/L (normal <5) Renal and liver function test were normal. Trop I levels were in normal range. His serum homocysteine was raised >50 µmol/L (normal 5.46-16.2). Antiphospholipid antibodies were positive. IgG 0.7U/ml (normal range <0.32) Anti Cardiolipin IgG 2.91U/ml and IgM was 2.71 U/ml (normal range <1.0) Beta2 Glycoprotein IgM:79.26 RU/ml (normal range <20).

Radiological evaluation showed consolidation of the right lower lobe on chest X-ray and CECT Thorax revealed infarcts in postero-basal and superior segments of right lower lobe. CT Pulmonary Angiography (CTPA) showed hypodense thrombus in interlobular and segmental branches of bilateral pulmonary arteries suggesting pulmonary artery embolism. Bilateral lower limb arterial and venous doppler showed acute on chronic DVT of right venous system with echogenic thrombus seen in right common femoral vein, right superficial femoral vein, right great saphenous vein. Right posterior tibial vein with absent flow. Right popliteal vein showed thrombus with sluggish flow and non-compressible. 2D ECHO suggestive of normal chambers and valves. No RWMA, mild PAH with TR, normal LV and RV systolic function.

.With an amalgamation of all these clinico-radio-laboratory findings, a final diagnosis of antiphospholipid antibody syndrome was made.

Patient was treated with Low molecular weight heparin, (enoxaparin) at 60mg twice daily subcutaneously and subsequently with acenocumolol 3 mg and hydroxychloroquine 200mg -once daily were added. Gradually Enoxaparin was stopped once he attained an INR between 2.5-3.5. A concerted effort by a team of pulmonologists, intensivists, rheumatologist, cardiologists, and radiologists helped in prompt diagnosis and treatment of the disease in this young patient.

Discussion:

The clinical presentation of APS is quite variable, with a wide spectrum of findings ranging from the presence of livedo reticularis and thrombocytopenia to the development of hemolytic anemia and recurrent thrombotic episodes. Up to 20% of cases of deep vein thrombosis, with and without pulmonary embolism, may be associated with antiphospholipid antibodies. APS tends to be more common in females. Prothrombotic states and impaired clot dissolution are believed to contribute to the occurrence of chronic thromboembolic pulmonary hypertension in APS. Our patient presented with chest pain and breathlessness and was subsequently diagnosed as having pulmonary embolism. The most common pulmonary manifestation of the APS is pulmonary embolism and this may be the first manifestation of the disease (2). The main causes of emboli in young age are either- APLA syndrome, factor Leiden mutation or hyper homocystenaemia. Recurrent pulmonary emboli may give rise to pulmonary hypertension that may, unusually, in severe cases, be accompanied by isolated tricuspid valve insufficiency (3). A prospective cohort study by Cervera et al evaluated 1,000 APS patients over a 10-year period Deep vein thrombosis (DVT) was the most common clinical sign, followed by thrombocytopenia, livedo reticularis, cerebrovascular accident, pulmonary embolism, and acute myocardial infarction (4). The EMPEROR study reported that the most common presenting signs and symptoms of PE were dyspnea at rest (50.1%), pleuritic chest pain (39.4%), dyspnea on exertion (27%), extremity edema suggestive of DVT (23.5%), and cough without hemoptysis (22.9%). Anticoagulation with unfractionated heparin or low-molecular-weight heparin, followed by warfarin is the standard of care in these patients. Patients with PE-associated APS are recommended to have extended anticoagulant therapy because of the risk of recurrent Venous thromboembolism. (5,6)



The treatment of choice in APS is still vitamin K antagonist (VKA), and anticoagulant agent, such as warfarin. The most severe form of the syndrome is called catastrophic APS, which although rare, has a mortality rate greater than 50%. Catastrophic APS is characterized by the presence of microthrombi in different vascular beds (at least three in an interval of less than 7 days) that result in multiple organ system dysfunctions, are associated with positive laboratory evidence of aPLs, and have no other alternative diagnosis. In cases of catastrophic APS, the treatment is aggressive, consisting of a combination of anticoagulants (heparin), high-dose steroids, plasmapheresis, and/or intravenous immunoglobulin infusion. Patients with refractory catastrophic APS may require the alternative use of immunobiological agents, such as rituximab and eculizumab. The effectiveness of direct oral anticoagulants (DOACs) such as dabigatran, rivaroxaban, apixaban, etc., remains unclear in treatment of APS. Use of DOAC in APS patients is currently recommended only in cases of warfarin allergy or intolerance, or with poor anticoagulation control with this medication.

The optimal intensity of warfarin therapy is a matter of debate, but most clinicians currently favor a target INR in the range of 2.0 to 3.0. The duration of anticoagulation for DVT in APS is also a matter of concern. The risk of recurrent DVT in APS patients off anticoagulation is high, (10% to 29% per year according to one study by Galli et al, whereas another study by Derksen et al found that the risk of recurrent DVT after stopping anticoagulation was 50% at 2 years and 78% at 8 years)(7,8,9). Based on these observations, long-term anticoagulation is generally recommended.

In our case a young male smoker with no known comorbidities on DOAC for DVT was admitted for chestpain and breathlessness. Patient had right lower lobe infarct due to right pulmonary artery thrombosis. Our patient responded well to heparin, acenocoumarol and hydroxychloroquine without any immunological agents. Multidisciplinary approach has proven beneficial in our case.

Conclusion:

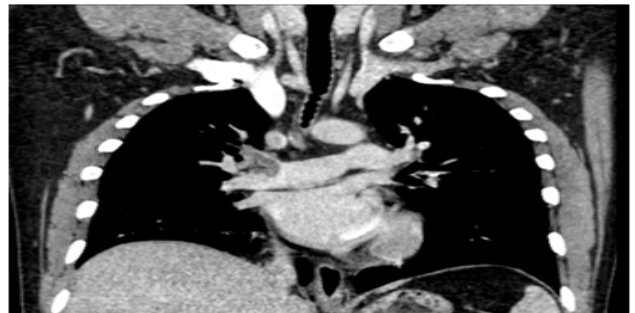
APLA syndrome should be kept in mind as a rare differential diagnosis in patients presenting with deep vein thrombosis and pulmonary embolism. In a young patient aged <40 years presenting with a first symptomatic unprovoked PE, having hemoptysis and showing radiological evidence of pulmonary infarction should increase suspicion for APS. And thus testing for ApL is highly recommended.



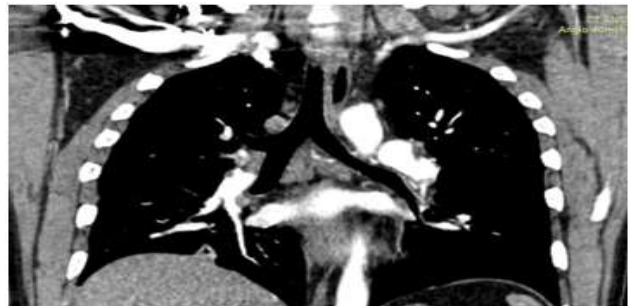
Right Pulmonary artery thrombus



Consolidation of superior segment of RLL



Right pulmonary artery thrombus with superior segmental extension



Thrombus in posterior segmental branches of RUL



Patchy consolidation in superior portion of RLL

KIMS Faculty at Symposium on Lower Limb Trauma



Trauma is a major cause of morbidity and mortality in the present society. It is very important to give optimum care to the trauma affected patients. Orthopaedic surgeons need to remain updated to the current practice.. A Symposium on lower limb trauma was organized recently under the aegis of Odisha Orthopaedic Association and Indian Orthopaedic Association.

Many reputed faculties across India joined in this programme and shared their thoughts and experience

in managing various types of orthopaedics trauma. Dr. Saurav Nayan Nanda, Assistant Professor, was the organizing secretary for the programme. Dr. Debashish Misha, Associate Professor; and Dr. Saurav N Nanda were invited as faculties. They shared their experience in the KIMS Trauma Centre and also taught the young orthopaedics surgeons in saw bone workshops. Their talks were highly appreciated at national level. It was a successful CME and around 130 delegates joined the programme.

Teenager with Huge Abdominal Mass Operated Successfully at KIMS

A 17-year old girl was presented with mild diffuse pain and fullness of abdomen. On examination, it was observed that she had a huge abdominal mass for which she was operated with a removal of an ovarian mass weighing 7 kgs.

The operation was performed at KIMS Bhubaneswar under the Obstetrics & Gynecology Department, led by Professor Dr. Manasi Patnaik and Assistant Professor Dr. Rajalaxmi Moharana and team on 7th June 2022.



KIMS Nephrologists at Kolkata Transplant Colloquium



Four Nephrologists from KIMS were invited to participate in 4th Transplant Colloquium held in Kolkata recently organized by Indian Society of Nephrology East Zone and Narayana Health Kolkata. Prof. S. C. Dash inaugurated and delivered a lecture at the Colloquium. Dr. A. P. Patnaik and Dr. S. B. Rout chaired sessions on Xenotransplantation and HLA Desensitisation in live donor transplantation respectively. Dr. Nikunj Kishore Rout was one of the panelists and delivered a talk on the topic “Hematological Complications in Post Renal Transplant Patients” at the panel discussion. International and national level speakers participated in the colloquium.

National Awards for KIDS & its Administration



Kalinga Institute of Dental Sciences (KIDS) and Dr. Jugajyoti Pathi, Asst. Director (Admin.), KIDS have been conferred with the prestigious “Excellence in the Field of

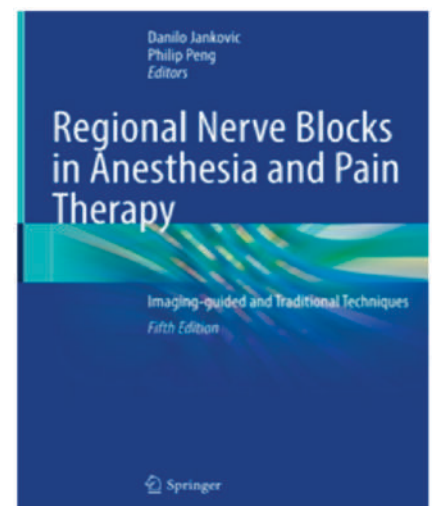
Dental Sciences Award 2022” and “Administrator of the Year 2022” respectively by Global Professional Awards 2022, for their outstanding activities and contributions to the dental fraternity of India and creating global impact with their social services. The award was conferred to the KIDS and Dr. Pathi by Dr. Jagannath Patnaik, Vice-Chancellor, ICFAI University, Sikkim and Dr. Amar P. Garg, Vice-Chancellor, Shobhit University, Meerut.

Dr. Aswini Kumar Kar, Principal; Dr. Sangamesh N. C., Vice Principal; faculty members, and students of KIDS congratulated Dr. Pathi for his achievements and extended best wishes for his future endeavours.

Book Chapter Contributions by KIMS Faculty in International Book

Dr. Rajendra Sahoo, Consultant Pain and Palliative Medicine from KIMS has authored a chapter in an International Book published by Springer. He has authored a chapter on “Intercostal Nerve Block” along with well acclaimed clinician, researcher and leader in the field of Pain Medicine and Ultrasound from University of Toronto, Professor Philip Peng. This chapter contains detailed anatomy, landmark and Ultrasound guided technique of doing the block, clinical pearls, troubleshooting, review of the literature and how to diagnose pneumothorax with Ultrasound in the event of inadvertent pleural puncture.

This International Book contains 76 chapters which cover all aspects of Ultrasound and Fluoroscopy guided nerve blocks and Interventional procedures for chronic pain. Around 100 well-acclaimed authors from around the globe have contributed to this latest (5th) edition of the book which is having colourful images, stepwise approach for easy understanding, practical tips, clinical pearls and updated literature review.



IIT Indore Faculty Delivers Lecture on “Infection & Co-infection Models of Chronic Diseases”

Dr. Hem Chandra Jha, Associate Professor, Department of Biosciences & Biomedical Engineering, IIT Indore delivered a guest lecture on 'Infection and Co-infection Models of Chronic Diseases' at a Staff Academic Seminar at KIMS on 19th May 2022. Dr. Jha is a Ramanujan Fellow and has 60 international publications to his credit. He presented his work on gastric cancer due to H. Pylori and Epstein-Barr virus co-infection, COVID-19 and co-infections and its long-term neural complications. He also presented his work on various plant products for treatment of COVID-19 infection.

Earlier, Dr. Jha was felicitated by Brig. Prof. Ambika P. Mohanty, Principal, KIMS and Professor Emeritus, Dr. Suresh Ch. Dash. They also decided to have an MOU between KIMS and IIT Indore for further research and collaborative work. At present, Dr. Jha is working with Prof. Nirmal Mohakud, Paediatrics, KIMS on Covid-19 and they have received an ICMR grant for



the same. Dr. Jha expressed his satisfaction after visiting KIIT campus, particularly KISS. He thanked KIMS management for this opportunity and ongoing collaboration.

KIMS Doctor Teaches CPR Skills for Resuscitating Cardiac Arrest Victims during “Nirman”, Inter Engineering College Hackathon

Dr Ashok Kumar Badamali, Senior Cardiac Anesthesiologist, KIMS delivered a session and practical demonstration on Cardiopulmonary Resuscitation (CPR) for victims of Cardiac arrest of any origin like Heart Attack, Electrocutions, Lightning Injuries, Food or Drug Allergies and Fire or Chemical smoke inhalations, during “NIRMAN”, a Technical Hackathon held recently.

About 300 Engineering and Management students from KIIT, IIIT Bhubaneswar, Silicon Institute, GIET Gunupur, SOA University, GITA, BJB College, Ravenshaw University, BIITM, IGIT Sarang and faculties from Infosys and CTTC Bhubaneswar participated in the live demonstration and interactions. Many participants had

the opportunity to learn life saving skills through hands-on practice, during the two days event. The faculties from Infosys and CTTC requested Dr Badamali to conduct training CPR and first aid sessions for their staff.

Dr Badamali disclosed and demonstrated how his two innovations Sanjivani QCPR, a hand-held gadget and the Sanjivani KIOSK are going to create an ecosystem and a drastic change in the lifesaving skill training landscape across India. More than 150 Engineering and Management students have applied for internship in the two upcoming innovations of Dr Badamali, which are focusing novel solutions targeting efficient last mile delivery of blood products and vaccines.

Early Diagnosis & Timely Action Can Aid Brain Tumour Patients to Faster Recovery: KIMS Neurosurgeon



Brain tumors can happen in any age group, but not all cases are cancerous and timely detection and treatment can help in early cure and return to normal life, eminent neurosurgeon at KIMS Bhubaneswar Dr. Narendra Kumar Das has said.

Dr Das, credited with hundreds of surgeries on brain tumors, said brain tumors could also have some genetic linkage. Besides, he also alluded to the risk of overuse of cell phones and its potential impact on brains, studies of which are currently underway.

“Brain tumors can occur or develop in any person at any age and no one can say who will suffer from it. However, contrary to the general perception, not all brain tumors are cancerous. Only 30 to 35 percent of cases might lead to such conditions. A large number of patients with brain tumors are treatable and curable. However it depends on the nature of the tumor,” he said on the occasion of World Brain Tumour Awareness Day, celebrated on June 8 every year.

The day was first observed by the German Brain Tumour Association in 2000. Since then, it is observed annually on June 8 as a tribute to all patients suffering from a brain tumor.

Dr Das said most people diagnosed with malignant brain tumors live less than 5 years, but those with non-malignant tumors usually survive much longer. The 5-year survival rate for malignant tumors is 35.8% compared to 91.5% for non-malignant tumors.

Symptoms:

Some of the symptoms possibly linked to a brain

tumor could be headache, vomiting, convulsions, paralysis or loss of function, vision loss, hearing loss, difficulty in walking, communication, and speech abnormalities. Hence, if a person realises his/her family thinks that the patient could be suffering from a brain tumor or having any of the above symptoms, then the immediate step is to consult a neurologist or a neurosurgeon.

Dr Das also made it clear that the occurrence of the tumor could only be unambiguously confirmed from tests like CT scans and MRI scans of the brain etc. These tests can help in describing the size, location, and type of brain tumor which is essential for treatment planning and prognosis.

Types:

The common types of brain tumors are Astrocytoma, Glioblastoma, Meningioma, Metastatic tumor, schwannomas, pituitary tumor, medulloblastoma, etc.

Treatment:

Surgery is the most common treatment for brain tumors. The surgeon removes as much of the cancerous / tumor cells as possible without damaging healthy brain tissue.

Thanks to advancements in medical science, surgery has become minimally invasive and an effective means to treat the disease.

Modern surgical equipment such as specialized microscopes, neuro navigation systems, intraoperative monitoring systems, intraoperative CT scans Neuro endoscopic systems etc has played a pivotal role in treating brain tumor cases successfully, Dr. Das said.

“The neurosurgery operative procedure is now done in a very precise and safe manner with minimum injury to tissues and blood loss,” he said.

Some cancerous brain tumors may require adjuvant treatment such as radiation therapy, chemotherapy, and radiosurgery.

He also spoke about “Awake Craniotomy”, which is helping the patients to recover in a better way. It is a type of procedure performed while the patient remains awake and alert. It allows the surgeon to assess in real-time how the removal of tissue will affect speech, vision, and movement function.

For example, Dr Das said if a singer is suffering from a tumor that may affect his/her speech or singing ability then awake craniotomy can help in preserving the speech function. The surgeon

performs the operation while the patient is awake and singing.

After the brain tumor surgery, the majority of the patients recover quickly. However, the recovery depends on whether the tumor is cancerous or non-cancerous and the condition in which the patient has come to the hospital. If the patient reaches the doctor late and with a neurological deficit, then the recovery may not be good.



KIMS Doctors' Innovation: A Device to Measure Pain

In a breakthrough, a team of doctors at Kalinga Institute of Medical Sciences (KIMS), have developed a device to measure the pain in a human being, much like a thermometer that is used to measure the body temperature.

The prototype, called "Objective Pain Score" (OPS), lends a level of accuracy to the ache, soreness or discomfort endured by a patient and helps the treating physician to act accordingly and prescribe medicines to manage it effectively during the consultation or at an intensive care unit (ICU).

The breakthrough is the outcome of a research work carried out by Dr. Sailaja Sukanya, Post-Graduate Resident at the Department of Anaesthesiology, KIMS. The study was conducted under the guidance of Prof. (Dr.) Amit Pradhan and Dr. Ashok Kumar Badamali formulated the OPS which could be validated with the physical condition of the patient or Visual Rating Scale (VRS).

The scientific paper was titled “*Development and validation of an Objective Pain Scoring System (OPS) and its correlation with VAS score for evaluation of postoperative pain in patients undergoing cardiac surgeries*”. The new method would become the new approach in the domain of pain management, said KIMS Medical Superintendent Prof Dr. R C Das.

He said the study evoked wide appreciation from experts who attended the (National Conference of Indian Society for Study of Pain) ISSPCON-2022, held here recently. Dr. Sailaja Sukanya presented her research work at the event. “The algorithm created by this research can facilitate the conceptualization of a device for automatic delivery of analgesics/ painkillers in patients corresponding to their objective pain score



during surgery and mechanical ventilation in ICU”, Dr. Das said. Though heart rate and blood pressure have been used to assess pain, there has been a lack of any robust study for objective assessment of pain, according to experts.

Pain, in common understanding, can be termed as a distressing outcome of any underlying disease. International Association for the Study of Pain defines it as “an unpleasant sensory and emotional experience associated with, or resembling that associated with, actual or potential tissue damage”.

Currently, across the world, there are various methods like Numerical Rating Scale (NRS), Verbal Rating Scale (VRS), and the Visual Analogue Scale (VAS) to quantify pain but they are mostly subjective. It depends upon how the pain is experienced or perceived by the individual. Doctors, based on the patient’s perception of pain, commonly use VAS for the assessment of the degree of pain. The limitation with the VAS score is that it is generally subjective; it cannot quantify pain during the surgery and mechanical ventilation in ICU.

Third Space Endoscopy Workshop Conducted at KIMS



The Department of Gastroenterology and Hepatology, Kalinga Institute of Medical Sciences (KIMS) organized a workshop and CME (Continuing Medical Education) on *3rd Space Endoscopy* on 28th May 2022. Dr. Vikas Singla, a pioneer in this field from Max Super Speciality Hospital, New Delhi, was the invited guest faculty along with Dr. Sawan Bopanna.

The workshop started with a welcome address by Prof. A.C. Anand, Head of Department of Gastroenterology and Hepatology which was followed by a lecture on fundamentals of third space endoscopy by Dr. Vikas Singla. Subsequently, per-oral endoscopic myotomy (POEM) was performed on two patients with Achalasia cardia under the supervised guidance of Dr. Singla. It was followed by a CME on esophageal motility disorders and third space endoscopy. The CME commenced with an inaugural address by Prof. S.K. Acharya, Pro-Chancellor, KIIT-DU followed by didactic

lectures on esophageal motility disorders and third space endoscopy in the Department of Gastroenterology and Hepatology, KIMS which was attended by various faculties and post graduate students.

This was one of the regular attempts of KIMS, as part of KIIT Deemed to be University, to provide all kinds of high end medical services to patients of Eastern India through experience and expertise. Besides the above procedures, the Department of Gastroenterology and Hepatology also provides all the state of the art outpatient, inpatient and endoscopic services. It is headed by Prof AC Anand under the able guidance of Prof SK Acharya; and Prof YK Chawla (Chairman of Academics, KIMS). Besides, Dr SC Panigrahi, Dr B Mallick, Dr Preetam Nath and Dr D Praharaj are other faculty members of this department.

KIMS Doctor Presents at International Forum

Mid-term Symposium of the Asia Pacific League of Associations for Rheumatology (APLAR), an organization having representations from 35 countries from the Asia Pacific region, was organized on 29th May 2022 through online mode. The theme of the conference was "State-of-the-Art in Rheumatology Advances". Dr. Sakir Ahmed, Associate Professor, Department of Clinical Immunology & Rheumatology, KIMS was invited for a talk on tele-health. He spoke on the differences between tele-health and telemedicine. He brought out barriers to the use of telemedicine in the region, talked on remote patient monitoring including mobile app based as well as invasive. Finally, he elucidated the role of networking and education in developing tele-health in the region. The talk was appreciated by Prof Rebecca Grainger, the convenor of the APLAR Digital Health and Telemedicine SIG (Special



Interest Group) and Prof. Debashish Danda, current president of APLAR. It has also received online attention on social media platforms such as Twitter.

KIMS Doctor Delivers Keynote Address at International Conference

Dr. Ashok Kumar Badamali, Senior Consultant Cardiac Anaesthesiologist, KIMS delivered a keynote session on “New Dimensions on Palliative Care for Cardiac Patients” at “Convergence-2022”, an international conference co-organised by Vinayak Mission Research Foundation DU, and Vijaya Educational Academy, Chennai.

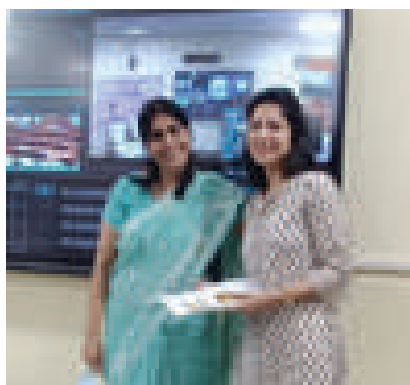
Dr. Badamali's futuristic talk focused on skill development and empowerment of paramedics and allied science staff for home-based care of end stage disease patients, with support from various digital health equipment and platforms. The talk was highly appreciated by the audience and other think tanks present at the keynote session. His citation of Maharaja Parikhit's last seven days of life as end stage pathological situation and discussions of Srimad Bhagbat chapters by various stages as an evidence of spiritual and psychological components of Palliative Care was considered as an eye-opener linkage between science and mythology.

Despite advances in cardiac therapy, heart failure remains a progressive, highly symptomatic and deadly disease that places great demands on patients, caregivers, and healthcare systems. Palliative care is a multidisciplinary approach to care that focuses on communication, shared decision making, and advanced care planning, provides relief from pain and other distress symptoms, integrates psychological and spiritual aspects of care; and offers a support system to

help families to cope during illness and bereavement. Palliative has applications across the stages of heart failure, including early in the course of illness, often in conjunction with therapies that are intended to prolong life. However, the incorporation of palliative care into management of heart failure has been suboptimal due to various reasons like: uncertainty in disease trajectory, lack of knowledge, overlay of co-morbidity and frailty, life-saving device with complex trade off, failure to reward communication between healthcare providers and patients, siloed care and availability of limited evidence base.

Palliative care is provided by a team of palliative care doctors, nurses and social workers. They work together with cardiologists to give an extra layer of support. The team has a wide variety of approaches to treating congestive heart failure symptoms. These may include medicines, but not always. Palliative care teams are expertly trained to manage symptoms, side effects and stresses. For example, they may perform highly effective lymphatic drainage. This is a technique for reducing leg swelling and its associated pain, educating the patient about how to stand, sit and lie down to improve their breathing. They will also train the patient and family members, the use of fans, relaxation methods, meditation and breathing exercises to decrease any anxiety or panic that may accompany feelings of breathlessness.

Department of Pathology, KIMS Organizes CME-cum-Workshop on Renal Pathology



A C M E - c u m - Workshop on Renal Pathology was organized by the Department of Pathology, KIMS recently. As many as 147 delegates from different medical colleges, including SCB Medical College and AIIMS,

Bhubaneswar, participated at the CME, which was inaugurated by Brig. (Prof.) Dr. Ambika Prasad Mohanty, Principal, KIMS.

At the first session, the clinical perspective of non-neoplastic renal diseases was discussed by Dr. Kumar Avijeet Dash, Nephrologist, KIMS, while approach to diagnosis was discussed by Dr. Meenakshi Swain, Consultant Pathologist, Apollo Hospital, Hyderabad. The second session of the CME featured case based discussions. A quiz for PG students was also conducted by Dr. Meenakshi Swain, in which Dr. Sreelakshmi S. and Dr. Chhayasmita Mali (3rd year PG students) of KIMS Pathology won 1st Prize and 3rd Prize respectively.

The CME was conducted under the guidance of Prof. & HOD (Dr.) Urmila Senapati with cooperation of organizing secretary Prof. (Dr.) Ranjana Giri, and attended by all faculty members and PG students. The OCMR awarded the two credit hours to the attending delegates.

Department of Medicine, KIMS Organizes Single Theme Conference



Department of Medicine, KIMS, organized a single theme conference on 'Sickle Cell Disease' on 21st May 2022. The academic event was held in hybrid mode with faculty and delegates attending in both online mode and physically. The inaugural session was graced by Prof. C.B.K. Mohanty, Pro-Vice Chancellor, KIMS; Brig. Prof. A.P. Mohanty, Principal; and Prof. Lalatendu Mohanty, Head of the Department of Medicine. Eminent faculties spoke on various aspects of sickle cell disease at the

conference. They included Dr. G.R. Chandak, Deputy Director, CSIR-CCMB, Hyderabad; Prof. Prabodh Das, Head of the Dept, Hematology, AIIMS, Bhubaneswar; Dr. P.K. Mohanty, Prof of Medicine, VIMSAR, Burla; and Dr. Palas Dash, Associate Professor, Pediatrics, KIMS. The scientific sessions were chaired by Prof. Gopal C. Kundu, Director R&D, KIIT Deemed to be University; and Prof. Lalatendu Mohanty, who also proposed the vote of thanks.

KIMS Radiology Residents Make Clean Sweep at 48th Indian Radiological Conference, State Branch



The Residents of the Department of Radio Diagnosis, KIMS have made a clean sweep in all the categories at the 48th Indian Radiological Conference, State Branch held in Bhubaneswar on 29th May 2022. Dr. Y. Rajesh (IInd Year) won the 1st Prize for paper presentation, 1st Prize in quiz competition and 2nd Prize in poster presentation. Dr. D. Sindhu Reddy (IInd Year) won 2nd Prize in quiz competition, while Dr. Ajeet Madhesia (IInd Year) won 3rd Prize in quiz competition and Dr. Sumedha Sirohi (Ist Year) won 2nd Prize in poster



presentation. They achieved this feat overcoming stiff challenges from the Residents of other premier institutions of the State, including AIIMS, SCB Medical College, MKCG Medical College, VSS Medical College; HighTech Medical College, and IMS & SUM Medical College. The Head of the Department of Radio Diagnosis, KIMS and all the faculty members congratulated the residents for their splendid achievement.

Department of Surgery, KIMS Organizes CME



The Department of Surgery, KIMS organized a CME on “Breast Disease –Update” on 28th May 2022. It was inaugurated by Prof. Dr. A. P. Mohanty, Principal, KIMS and Maj. Gen. Prof. (Dr.) P. K. Patnaik, DG, School of Medicine. Invited Guest Speaker, Prof. Dr. Diptendra Kumar Sarkar, Prof. of Surgery, IPGMER & SSKM Hospital, Kolkata delivered a talk on “Evaluation & Management of Benign Breast Disease and Breast Lump”. Dr. Partha Basu, Dy. Head, IARC, WHO, Lyon, France spoke on “Screening of Breast Cancer”. Dr.

Sumohan Chatterjee, Consultant Breast Surgeon, University Hospital of South Manchester, UK, delivered a guest lecture on “What is New in Breast Cancer” on online mode. Dr. Sabyasachi Parida, Consultant Oncosurgeon, KIMS Hospital delivered a talk on “Oncoplastic Technique in Breast Cancer Surgery”. Around 200 faculty members and post-graduate students of KIMS, SCB, and other Medical Colleges of Odisha attended the CME in both offline and online mode.

KIMS Faculty's Literary Book Unveiled

An Odia literary book titled “Basnara Smruti” penned by Dr. Viyatprajna Acharya, Professor of Biochemistry, KIMS was unveiled by Brig. Prof. A. P. Mohanty, Principal, KIMS; Dr. S. C. Dash, Professor Emeritus; Dr. Yogesh K. Chawla, Chairman, Academics and Professor Emeritus; and Dr. S. Rath, Senior Professor, Obstetrics and Gynecology in the presence of faculties of different departments of KIMS on 19th May 2022.

Published by “Paschima Publications” in March 2022, the book is an anthology of short write-ups addressing psychosocietal problems, their root cause analysis and solutions. The author has done a wonderful visual story-telling and merged different emotions amalgamating strong satire, comedy to somber introspection. Introducing her book, she said, she has tried to bridge the gap of mistrust between doctors and patients in current times through her writings and addressed the scientific



significance behind rituals and some myths. Brig. Prof. A. P. Mohanty congratulated her and wished a grand success for the book.

Department of Anatomy KIMS Organizes CME-cum-Workshop



A CME-cum-Workshop was organized by the Department of Anatomy, under the aegis of Anatomical Society of India, Odisha State Chapter, in KIMS through Hybrid Mode. The Topic of the CME was “Soft Embalming Technique in Cadaver for hands-on practice and conduction of Surgical Workshop”.

The session was presided by Prof. Madhusmita Panda, Ex –President & Secretary ASI, Odisha state chapter. Prof. S.N. Shamal, Prof. & HOD Anatomy, President ASI, Odisha State Chapter chaired the Academic session with Prof. B.K. Dutta as CME-Coordinator. The CME was inaugurated by Prof. Ambika Prasad Mohanty, Principal, KIMS, while the Invited speaker was Prof. T.C. Singel, HOD, Dr. M.K. Shah Medical College & Research Centre, Ahmedabad. The guest speaker for the CME was Prof. Tanmoy Mohanty, HOD, Orthopedic & Trauma care, KIMS while Prof. C.B.K. Mohanty, Pro Vice-Chancellor, KIMS, BBSR graced the occasion, who also was an Advisor of the CME.

Following the welcome address by the Principal Prof. A. P. Mohanty and Prof. C.B.K. Mohanty, Pro-Vice Chancellor, KIMS, Prof. T.C. Singel was felicitated by Pro Vice Chancellor. The academic session began with the introduction of Invited & Guest speakers by Prof. B.K. Dutta, CME Coordinator. Prof. T.C. Singel, as Invited speaker, described the basics of embalming technique to be used for Soft embalming procedure of human cadaver for easy storage which is also cost-effective. The online Q & A Session with interactive



clarification by Prof. T.C. Singel and Prof. Srijit Das, from Sultan Qaboos University, Oman was informative.

Prof. Tanmoy Mohanty, HOD, Orthopedic & Trauma care with his lucid presentation analyzed the Clinical application of both soft embalming & the virtual digital anatomy as incorporated in Anatomage Table. The advantage of establishing a skill lab with soft embalming cadavers, which can be utilized for training of young surgeons and demonstration for PG/Residents will be highly rewarding, he said. Prof. Srijit Das, Clinical Anatomy, Sultan Qaboos University, Muscat, Oman was connected online as special guest and contributed with his suggestion. In his concluding remark, Prof. S.N. Shamal, Chairman of the academic session described the benefits of gross dissection and soft embalming procedure for better demonstration of anatomy for students to learn operative procedure.

The CME ended with the Vote of Thanks by Prof. Smruti Rekha Mohanty, Anatomy, KIMS. As many as 30 delegates attended physically and 118 delegates attended online out of which 97 were from medical colleges outside the State.

Nurses Served as Heroes during Covid pandemic; Remember KIMS Doctors on International Nursing Day



Noted physician and Pro-Vice-Chancellor of KIMS Prof Dr CBK Mohanty on Thursday lauded the “heroic” role played by the nurses during the Covid pandemic and encouraged students to build on their skills sets and tap on the expected 43-lakh job opening for them by 2024. He inspired the nursing students to set an example for the rest with their steadfast commitment to the profession, dedication, sympathy and compassion. Addressing the students at an event organized by the Kalinga Institute of Nursing Sciences (KINS), a KIIT Constituent, to commemorate International Nurses Day, Dr Mohanty said nursing is a noble profession, a profession where the nurses are a patient's constant companion and instill hope and confidence in them.

“Nursing is to nourish; to take care and to serve. To serve without expectations is akin to motherly care. It is a relationship of confidence and this confidence brings confidence in the minds of patients,” Dr Mohanty said. “Nurses were heroes during the Covid pandemic and worked like angels during epidemics and disasters.

They are the beacon of hope and compassion,” he underlined.

Maj Gen DG Dr P K Patnaik of the School of Medicine asked the nursing students to develop their skill sets on the ground as these traits will help them earn the dependence of the seniors. “You are entering a new phase in your life and this is a worthy and pious profession. Your commitment and dedication to the profession will take you ahead in life,” he said and alluded to studies saying that by 2024 India will be requiring 43 lakh trained nurses. He also underscored the need to find an Indian icon from the nursing profession who can be an inspiration for lakhs of nurses in the country.

The International Nursing Day is celebrated in the memory of Florence Nightingale, hailed as the founder of modern nursing. In all, 138 students took the oath before her portrait to commit themselves and their best to the profession. Former principal of the College of Nursing, Cancer Hill Hospital, Gwalior Prof Renuka Das elucidated on the critical role played by nurses in handling patients with care, saying the service requires 24 hours of dedication and sincerity. Nursing Superintendent PBHM, KIMS Col Susamma Sahu called upon the students to utilize the facilities at KINS to the best of their abilities. She said knowledge and skills are key attributes for a nurse to save the patients. Principal of KINS Prof Dr Niyati Das harped on the need to invest in the future of the nursing students to strengthen the healthcare system across the world, referring to a WHO study that highlighted the shortage of 27 million nurses worldwide.

Two Eminent Professors Welcomed to KIMS Family



Prof. (Dr.) Bipin Bihari Pradhan (Department of Physiology) and Prof. (Dr.) Susant Kumar Das (Department of General Surgery) were welcomed to the KIMS family by Prof. C. B. K. Mohanty, Pro-Vice Chancellor; Brig. Prof. A. P. Mohanty, Principal, KIMS; Maj. Gen. (Prof.) Dr. P. K. Patnaik, VSM; and the Heads of the Departments at the Staff Academic Seminar before



the august gathering of the faculty members and post-graduate students of different departments on 31st March 2022. Both the Professors have rendered their distinguished professional services in different State Government Medical Colleges and now look forward to continue their journey with KIMS family.

World Hand Hygiene Day Observed at KIMS



Every year on 5th May, KIMS celebrates International Hand Hygiene Day which serves as a yearly reminder to wash hands with soap or sanitizer at home, workplace or within the community. It is a very cheap and effective method which can be followed to avoid getting sick and spreading diseases to others. It holds a special importance for the people who are working in the

health sectors across the country as they are with the patients 24*7. This year' s theme urged all the Nursing and Canteen staff of KIMS to celebrate it with much fervor and enthusiasm with the inauguration by Maj. Gen. Prof.(Dr.) Pradeep Kumar Pattnaik, Director General, School of Medicine accompanied by MS, NS, ADD NS, SR DNS, DNS, ICO, ICN TEAM.

KIMS Doctor Gets Best Clinical Research Award at National Pain Conference



Dr. Rajendra Sahoo, Pain Specialist, KIMS was awarded with the “Best Clinical Research Award” at National Pain Conference (ISSPCON 2022) held in Bhubaneswar recently. This Award was given for his research titled “Ultrasound guided innovative technical description of Sacroiliac Joint Cryoneurolysis”. This technique was conceptualized and developed by Dr. Sahoo, which he

described and demonstrated at a Cadaveric Workshop at the Pain Conference. The technical description and subsequent patient outcome data has already been published by Dr. Sahoo in a reputed international journal. Dr. Rajendra Sahoo is thankful to the Founder, KIIT & KISS, KIMS Management, and his colleagues for the opportunity and support given at KIMS.

Eminent Liver Transplant Experts Dr. Ashim Das and Dr. Ashok Kumar Choudhury Join KIMS



Two eminent pioneers in the Liver Transplant Programme – Dr. Ashim Das and Dr. Ashok Kumar Choudhury who have earned critical recognition internationally in their field have joined the Kalinga Institute of Medical Sciences (KIMS) Bhubaneswar. Their association with KIMS comes at a time when the premier healthcare facility in Odisha is ramping up infrastructure to offer advanced healthcare services at affordable costs in all super speciality wings. Dr. Ashim Das, member of the Royal College of Pathology and Fellow of the Royal College of Pathology London, has joined KIMS as a visiting Professor in Hepatopathology.

Dr. Das, who has worked as a faculty in Histopathology in PGIMER Chandigarh from 1990 till 2021, is a respected name internationally. His association will not only enhance and strengthen the healthcare facilities in KIMS and its constituent Pradyumna Bal Memorial Hospital (PBMH), but will help students benefit from his rich experience in the area of liver pathology. He will guide MD, DM and Ph.D scholars and the team of faculties in the KIMS' Liver Transplant Programme.

An alumnus of Kolkata University, Dr. Das has undergone MD training in Pathology from PGIMER Chandigarh in 1987. Subsequently, he has done his Diploma at National Board (DNB) in Pathology. He is an

astute researcher, teacher and fellow of several national and international societies. He has also guided several MD and Ph.D. students, conducted several international workshops and seminars. Besides, he has several extra-mural grants from ICMR, VT DST intra-mural grants. Dr. Das has been a visiting Professor at JIPMER, Pondicherry. Along with Dr. Das, KIMS has added another feather in its cap with the joining of Dr. Ashok Kumar Choudhury, an MD in Medicine. He has joined as the Honorary Professor in the Department of Gastroenterology & Hepatology. A well-known clinician, Dr Choudhury possesses 12 years of experience in Transplant Hepatology at the prestigious Institute of Liver & Biliary Sciences (ILBS), New Delhi.

Actively engaged in research and social work, Dr. Choudhury has published 84 original research articles guidelines and has 2,873 citations and high H-index to his credit. Dr. Choudhury has been a visiting faculty to Hum Lee Liver Transplant Centre, Richmond USA and Fellow observer in Liver Intensive Therapy Unit, King's College Hospital London. He is also a life member of several national and international societies.

Dr. Choudhury will be of great help in teaching UG, PG and DM students of KIMS, besides guiding them in research and coordinating Liver Transplant Programmes of KIMS and PBMH. Dr. Choudhury holds an illustrious academic record. He is an alumnus of SCB Medical College, Cuttack where he did his MBBS and MD (Medicine) and emerged as the best graduate in the 2003 batch MBBS, securing Honours in three subjects. He was awarded Bijay Kumar Patra Gold Medal, JN Bose Gold Medal and Nabakishore Das Gold Medal from Utkal University. He received the best student award from API Odisha, Rotary Club and Dr, Gopal Ch. Patnaik award. He did his DM in Hepatology from ILBS.

KIDS Faculty & PGT Publish a Textbook

A text book titled "Advanced Diagnostic Techniques for Oral Cancer Detection" has been published & written by Dr. Gunjan Kumar, faculty; and Dr. Samikshya Jena, PGT from Kalinga Institute of Dental Sciences.

The Book has been published at Esteemed Publication house, Innovative Publication. With ISBN : 978-93-91208-48-6, this book has been compiled and given the present shape after thorough selection and refinement of the latest available techniques and methods for the early diagnosis and subsequent detection of potential oral malignant lesions. By utilizing these given methods one can detect and diagnose early the oral cancer

lesions and thus better select the patients for appropriate therapies. It will provide a more individualized approach to treatment. Also with an all round awareness of these early diagnostic tests, one can easily formulate a treatment plan at the earliest significantly reducing the associated morbidity. This book provides exhaustive data about the latest diagnostic methods, how better to use them and then get the desired results. Dr. Jugajyoti Pathi, Asst Director (Admin.) & Dr. Aswini Kumar Kar, Principal, KIDS, congratulated the authors for this outstanding achievement & conveyed best wishes for their future endeavors.

National CME on Vasculitis Organized by Department of Dermatology, KIMS

A national-level CME (Continuing Medical Education) programme on Vasculitis was organized recently by the Department of Dermatology, Kalinga Institute of Medical Sciences (KIMS). The event was graced by Padmashree Prof. Dr. Subrat Acharya, Pro-Chancellor; Prof. Dr. CBK Mohanty, Pro-Vice-Chancellor, School of Medicine; Major General (Prof.) Dr. PK Patnaik (VSM), Director General School of Medicine; Brig Prof Dr. Ambika Prasad Mohanty, Principal; AVM Prof Dr. RC Das, Medical Superintendent; Prof. Dr. Hemanta Kumar Kar, HoD Dermatology & Organizing Chairperson of the CME; and Dr. Mitanjali Sethy, Organizing Secretary. Around 100 delegates from different medical colleges in Odisha attended including faculties and residents of KIMS.

Renowned Rheumatologist and well-known researcher on Vasculitis, Professor Dr. Rohini Handa from Indraprastha Apollo Hospital, New Delhi spoke on "Systemic Vasculitis: An Update". Dr. Handa has been the former Quonden Professor at All India Institute of Medical Sciences, New Delhi. Professor Dr. Srinivas CR, Department of Dermatology of KIMS delivered a talk on "Cutaneous Vasculitis", while Professor Dr. Aparna Palit, HoD, Dept. of Dermatology of AIIMS Kalyani, West Bengal spoke on the topic "Approach to a Case of Cutaneous Vasculitis."

Prof. Dr. Manjunath Shenoy, HoD of Dermatology, Yenepoya Medical College, Mangalore, Karnataka moderated the panel discussion with distinguished speakers - Prof. Dr. Prasenjeet Mohanty, HoD of Dermatology in SCB Medical College Cuttack; Prof. Dr.



Bikas Ranjan Kar HoD of Department of Dermatology, IMS and SUM Hospital Bhubaneswar; Dr. Nikunja Rout HoD of Department of Nephrology at KIMS; and Dr. Sakir Ahmed, Associate Professor, Department of Rheumatology KIMS.

The National CME was aimed to help the experts from the Department of Dermatology and different departments of medical science for a better understanding of Vasculitis, its progression, and cure. This CME was a part of the silver jubilee celebration of KIIT Deemed to be University. The subject was chosen appropriately for the benefit of faculties and residents of all medical and surgical branches of medical sciences. The vote of thanks was proposed by Prof. Dr. Hemanta Kumar Kar. The CME was highly appreciated by all the delegates.

KIMS Doctor's Paper Among Best 5 Presentations

Dr. Saurabh Gupta, Fellow student, Critical Care Medicine, KIMS presented a research paper titled "Air leaked syndrome in critically ill Covid-19 cases", facilitated by authors Dr. Sujit Kumar Pradhan, Dr. Devi Prasad Dash and Dr. Avinash Barpanda, at the National Conference of Indian Society of Critical Care Medicine (ISCCM) held in Ahmedabad from 8th to 10th April 2022.

His presentation was adjudged among the best five presentations by the adjudicators of the Indian Society of Critical Care Medicine. The KIMS management has appreciated his dedication and congratulated him for his extraordinary efforts.



Department of Transfusion Medicine, KIMS Conducts Annual CME



The 1st Annual CME by the Department of Transfusion Medicine, KIMS was inaugurated on 30th April, 2022 in the presence of Maj. Gen. Prof. Dr. P. K. Patnaik, VSM, Director General, School of Medicine, KIMS; AVM Prof. Dr. R. C. Das, Medical Superintendent; Prof. Dr. Shubhransu Patro, Principal (I/c); and Prof. Dr. Sukanta Tripathy, Head of the Department, Transfusion Medicine.

Dr. Smita Mahapatra, SCB MCH, Cuttack; Dr. Somnath Mukherjee, AIIMS, Bhubaneswar; Prof. Dr. A. K. Praharaj, KIMS were the distinguished speakers for the scientific sessions, which covered topics such as “Nucleic acid–amplification technology (NAT)”, “Recent advances in Transfusion Transmitted Infections (TTI)”, “Diagnosis of Syphilis and its significance to Transfusion Medicine”. Dr. N. Brahma, Prof. B. D. Pati, Prof. Urmila Senapati, and Prof. J. P. Mitra chaired the interactive sessions.

The CME also featured a panel discussion on the theme “Donor Notification: How to handle the Boon and the Goon” highlighting the challenges faced by the blood centres regarding donor notification of test results following blood donation. Prof. B. Pati moderated the panel discussion with other well-known experts including Dr. C. R. Prasad (VIMSAR, Burla); Dr. Sabita Palai (MKCG, Berhampur); Dr. Satya Prakash (AIIMS,

Bhubaneswar); and Dr. Rachita (IMS & SUM, Bhubaneswar). As many as 113 delegates from various departments and institutes of Odisha participated in the CME and made the event successful with their great enthusiasm and active engagement.

A Workshop on “Chemiluminescence: Principle and Procedure” under the observation of Dr. Ansuman (AIIMS, Bhubaneswar) and Dr. Devi (AMRI, Bhubaneswar) was also conducted on the occasion. Twenty-one junior and senior residents and laboratory technicians of Transfusion Medicine, Pathology and Microbiology from various institutes attended the workshop and showed keen interest in learning the new technology.

Dr. Suman Sudha Routray and Dr. Gopal Krushna Ray, Assistant Professor, Dept. of Transfusion Medicine, KIMS planned and executed the event. Dr. Aparna Behura, Associate Professor proposed the vote of thanks. The Department expressed gratitude to Prof. Dr. CBK Mohanty, Pro Vice Chancellor, School of Medicine; Maj. Gen. Prof. Dr PK Patnaik; Brig. Prof. Dr AP Mohanty; AVM Prof. Dr. RC Das; Prof. Dr. Shubhransu Patro, Vice-Principal; Mr. Dilip Panda, Director (Administration); and other HODs and Administrative Officers of the institute for their guidance, support and advice.

KIMS Doctor's Innovation Scales New Heights

Innovations of Dr. Ashok Kumar Badamali, Cardiac Anaesthesiologist, KIMS were selected for the final round of TATA-IIM Kolkata Social Enterprise Challenge. SanjivaniQCPR, a handheld gadget for doing chest compression of cardiac arrest victims, and kiosk, developed by Dr. Badamali, were among a few best innovations with high social impacts selected by the Innovation Park of IIM Kolkata after several grueling

rounds of pitching. Eminent jury members like Mr. Shringa (TATA Sustainability Group); S. Sanyal (IIM Kolkata); Amit Antony Alex, Emmanuel V Murray and Nagaraj Pakasam were highly impressed by the SanjivaniQCPR device and kiosk, labelling them as the need of the hour solutions in Indian context, empowering common men for a life saving role.

KIIT-NSS, KIDS Organize Workshop on "Yoga for Wellbeing"



In the run up to the International Yoga Day, KIIT-NSS Bureau, in association with Kalinga Institute of Dental Sciences (KIDS), organized a workshop on "Yoga for Wellbeing" on 30th April 2022. The workshop featured two motivational sessions by Guest Speakers, Dr. Niranjana Kar, Ex. DHS Odisha and BK Durgesh Nandini, Centre-in-Charge, Brahmakumaris Unit-8, Bhubaneswar.

Dr. Kar spoke about the maintenance of a healthy lifestyle and the opportunities ahead with a healthy life. BK Durgesh Nandini explained different modes of doing Yoga and Pranayamas and their applications on our routine life cycle. She also performed a live training of

yoga and meditation with participants.

The workshop was inaugurated by Dr. Jugajyoti Pathi, Asst. Director (Admin.), KIDS and Prof. Dr. Aswini Kumar Kar, Principal. They spoke about the importance of Yoga in maintaining the physical and mental wellbeing of every individual. Speaking on the occasion, Dr. Dharendra Kumar Singh, Faculty & NSS Program Officer, KIDS stressed the necessity of self-reliance and self-support in all domains of life, to maintain daily living free from stress and social burden on a human being. He expressed gratitude to Dr. Achyuta Samanta, Founder, KIIT & KISS his inspiration to hold such events and programs.

KIMS Faculty & Student Felicitated at 18th Annual CHESTCON

Dr. C. Mohan Rao, Associate Professor, Dept. of Respiratory Medicine, KIMS was felicitated by the Odisha Chest Society (OCS) at the 18th Annual CHESTCON held at Puri. Dr. Rao received the award for his outstanding academic contribution. Padmashree Prof. Digamber Behera was the Guest of Honour on the occasion. Besides, Dr. Kolla Madhuri received the S.N. Tripathy Award for the best outgoing post graduate student.

CHESTCON is the annual state conference of TB and Chest Diseases. Prof. Pratima Singh chaired a session on "Sleep Disorders" on the occasion and Dr. Debasis Behera, Assistant Professor presented a lecture on "Approach to a patient with excessive daytime



sleepiness". Post Graduate students from the department presented many papers at the conference.

8th State-Level SOMI Conference on “Strengthening Midwives for Optimizing Women’s Positive Birth Experience” at KINS

A Mother's Happiness is Like a Beacon, Lighting Up the Future but Reflected also on the Past in the Guise of Fond Memories.
(Honoré De Balzac)

Kalinga Institute of Nursing Sciences (KINS) hosted the 8th State-level Society of Midwives India (SOMI) Conference, under the aegis of SOMI, Odisha Chapter, on 11th April 2022 on the occasion of Safe Motherhood Day. About 460 delegates, including distinguished guests, faculty members, nursing students as well as nursing staff of hospitals, from seven nursing colleges across the State attended the Conference, which was held around the theme 'Strengthening Midwives for Optimizing Women's Positive Birth Experience'.

Speaking on the occasion, Dr. Sanghamitra Pati, Director, ICMR-RMRC, Bhubaneswar underlined the need of skilled midwives for improving maternal and child health. She thanked every nursing personnel for choosing such a noble profession. Appreciating KINS for organizing the meet, Prof. Mitali Adhikari, President, SOMI, India explained the theme and sub themes of the conference. In her keynote address, Dr. Pravati Tripathy, President, SOMI, Odisha Chapter overviewed the role of

SOMI in the field of maternal and child health. Prof. Amrita Lenka, Secretary illuminated the theme and highlighted the need of skilled midwives for the betterment of mother and child and achieving the positive birth experience. Dr. J. R. Mohanty, Registrar, KIIT-DU and Prof. (Dr.) Niyati Das, Principal, KINS also spoke at the inaugural session.

The scientific sessions of the conference covered topics such as 'Respectful Maternity Care', 'Evidence-based Intrapartum Care and Management of Intrapartum Complications', 'Factors Influencing Positive Birth Experience', and 'Essential Newborn Care'. Mrs. Pratibha Khosla, Associate Professor, SUM Nursing College; Prof. Rafat Razia, Retd. Principal, Govt College of Nursing, Hyderabad; Dr. Dinabandhu Sahoo, Team Leader, SHRSC; and Mrs. Geeta Rani Nayak, Asst. Professor, Dept. of Pediatric Nursing, AIIMS College of Nursing conducted various scientific sessions.

Certificates were presented to the participants at the valedictory session. A souvenir was also released by the dignitaries to mark the occasion. The vote of thanks was proposed by Prof. Kalyani Rath, Vice Principal, KINS.

KIMS Orthopaedic Doctor Motivates 'Peer Trainers' for Persons with Spinal Injury



Dr. Tanmoy Mohanty, Professor & HOD of Orthopaedics, Kalinga Institute of Medical Sciences (KIMS), Bhubaneswar graced the annual gathering of 'peer trainers' for spinal injured persons as the Guest of Honour at SVNIRTAR, Olatpur, Odisha on 22nd March 2022. The Ganga Foundation (TGF) undertakes multiple activities to reduce hardship of the spinal injured people. 'Peer trainer' is their flagship program.



They engage spinal injured people who have managed to overcome the set-back and come out as survivors. These peer trainers act as role-models to other patients and give them the much-needed hope to recover and live life to their best potential. The annual gathering witnessed participants from all over India. Dr. Mohanty interacted with the Peer Trainers and the organisers following a motivational talk.

National Oral Medicine and Radiology Day 2022



Kalinga Institute of Dental Sciences (KIDS) observed the National Oral Medicine and Radiology Day 2022 on 24th April 2022. The program, organized by the Department of Oral Medicine and Radiology, KIDS, highlighted the different spheres of Oral Medicine and Radiology. Dr. Jugajyoti Pathi, Assistant Director (Admin), KIDS; Dr. Aswini Kumar Kar, Principal; Dr. Sangamesh NC, Vice Principal; Dr. S. Bhuvaneshwari, Professor & Head,

Department of Oral Medicine & Radiology; and Dr. Dharendra Kumar Singh, Faculty graced the inaugural function. Speaking on the occasion, the guest speaker, Dr. Prashant Nahar explained the various aspects of Radiology, the different modalities used and the overall importance of Radiology in Dentistry. The second guest speaker, Dr. Adit Srivastava focused on the importance of Oral Medicine and the scope of the field.

KIMS Medicine Department Shines at 77th National APICON 2022



The Department of Medicine, Kalinga Institute of Medical Sciences (KIMS) actively participated at the National Conference of Association of Physicians of India (APICON) held in Jaipur from 14th-17th April 2022. Brig. Prof. A. P. Mohanty, Principal, KIMS; Prof. S. Patro,

Vice Principal; Prof. L. Mohanty, Head, Department of Medicine; and Prof. B. N. Mohapatra delivered talks at the conference, which was attended by more than 8,000 delegates from all parts of India. Prof. K. P. Tripathy and Prof. P. K. Behera were conferred the prestigious Fellow of Indian College of Physicians (FICP), while Prof. S. Patro and Prof. Lalatendu Mohanty chaired scientific sessions at the conference.

Six free papers and posters were presented by the PG Residents of the Department of Medicine, KIMS. Dr. Aswathy Asokan Nair, second year PG Resident received the best free paper award in Tropical Medicine segment. It is a matter of great pride that the residents of the department have received the best free paper award in three consecutive offline APICON representations by the Department. Chapters were also contributed to Medicine Update 2022 by Brig. Prof. A. P. Mohanty, Prof. L. Mohanty and Prof. S. Patro.

Best Hospital Ranking 2022

KIMS Bhubaneswar in the top league



Kalinga Institute of Medical Sciences (KIMS), Bhubaneswar has been adjudged the 5th Best Multi-Specialty Medical Facility in Eastern India by the prestigious English periodical Outlook magazine. The Outlook Health Best Hospital Ranking 2022, presented by the Outlook magazine and NEB Research, has put the Orthopaedics Department of KIMS in an All-India 6th rank and Paediatrics Department in 9th place, thus reaffirming KIMS commitment to offering quality and affordable treatment to the community. The ranking has also placed both the Gastroenterology and Neurology Departments in the 10th position and Cardiology in the 12th in All-India rank. KIMS made a humble beginning in 2007 under the leadership of Dr. Achyuta Samanta, Founder, KIIT & KISS as a constituent

School of Medical Sciences under KIIT Deemed-to-be-University and today with people's trust, goodwill, and wider recognition it has emerged as one of Eastern India's biggest healthcare service providers.

Team KIMS has a huge workforce to support the medical college and its constituent hospital comprising 1,500 doctors, 950 highly trained nursing professionals, and 900 paramedics. To add to the existing strength, there are 1,000 in non-medical and support areas like patient care, IT, finance, insurance claims, and others. Expressing satisfaction at the achievement, Dr. Samanta thanked the doctors and medical staff of KIMS for their hard work and dedication, which resulted in the impressive position of KIMS in this prestigious ranking.

KIMS Pain Specialist Invited as a Faculty for Ultrasound Guided Nerve Block Hands-on Workshop

KIMS Pain Specialist, Dr. Rajendra Sahoo was invited as a Faculty at the recently held Hands-on Workshop on "Ultrasound guided Nerve block and Pain management" organized by Department of Anesthesia and Pain Management, Care Hospital, Bhubaneswar. This was the 4th annual event held after a disruption of two years following Covid outbreak. Sixty doctors from Odisha and also from different parts of the country had attended this academic event to learn the latest and cutting-edge technique of Ultrasound application on Point of Care nerve block for acute and Chronic Pain Management.

Other national faculties were from Pondicherry and Shillong. Dr. Sahoo focused on upper extremity anatomy, sonoanatomy, nerve tracking, sympathetic blocks as well as recent advances. Delegates appreciated the tips, tricks and troubleshooting pearls shared during the Hands-on Workshop. Dr. Sahoo



thanked the KIMS Management and colleagues for the support.

Department of Pharmacology, KIMS Organizes CME on 'Medication Error & its Prevention'



A CME on “*Medication Error and its Prevention*” was organized by the Department of Pharmacology, KIMS on 9th April 2022. The CME focused on sensitizing the health care professionals including clinicians, nurses and pharmacists on types of medication error, its health hazards and prevention.

Dr. Ratikanta Tripathy, Associate Professor, Department of Pharmacology delivered the first talk on causes and various types of medication errors. This was followed by a presentation of various clinical cases by Dr. Debasish Maikap, Senior Resident from Department Rheumatology; Dr Mukesh Jain, Associate Professor from Dept. of Paediatrics; and Prof. Dr. K.P. Tripathy from Dept. of Medicine.

The Guest Speaker, Prof. Dr. Suparna Chatterjee from Department of Pharmacology, IPGMER and SSKM

Hospital, Kolkata, delivered her talk on “How to prevent medication error: At the level of health care worker and consumer”. This was followed by an interactive and enthusiastic panel discussion. The panellists were Prof. Dr. Lalatendu Mohanty, Head of Department, Medicine; Prof. Dr. Manas Ranjan Behera, Head of Department, Paediatrics; Prof. Dr. Prashant Pradhan from Dept. of Rheumatology; and Dr. Chaitali Pattanayak from Department of Pharmacology. The session was moderated by Prof. Dr. Managala Charana Das, Head of Department, Pharmacology.

Brig. Prof. Dr. Ambika Prasad Mohanty, Principal, KIMS; Prof. Dr. Ramachandra Das, Medical Superintendent; and Prof. Subhransu Patro, Vice Principal also spoke at the CME, which was attended by 80 health care professionals and 25 MBBS students.

KINS NSS Unit Celebrates 'Poshan Pakhwada'

NSS Wing of Kalinga Institute of Nursing Sciences (KINS) celebrated Poshan Pakhwada (Nutrition Fortnight) with a slew of programs from 21st March to 4th April 2022. The programs were conducted by NSS volunteers of KINS under the mentorship of Dr. Niyati Das, Principal, KINS and Dr. Kajal Parashar, NSS Programme Coordinator, KIIT-DU with the guidance of NSS Programme Officers, Ms. Daini Sunita and Ms. Anita Panigrahi at KIMS Paediatrics Department.

The volunteers assessed the health status of 50 children under 6 years in KIMS Paediatrics ward using anthropometric measurement and calculation of BMI. They collected data of each child regarding anaemia, breast feeding, weaning and balanced diet. Some children were found underweight and suffering from anemia. On 4th April, the volunteers conducted a health education program regarding weaning, identification of



anaemia, and importance of breastfeeding, positioning and storage of breast milk through using AV aids (poster, flashcards and pamphlets).

It was a pleasant experience for NSS volunteers to interact with mothers and children at KIMS Paediatrics ward.

Academic Society, KIMS Organizes Student Seminar on Air Pollution

A student seminar on 'Air Pollution: Health hazards and prevention' was organized by the Academic Society of Kalinga Institute of Medical Sciences (KIMS) on 26th March 2022 under the guidance of Dr. Ratikanta Tripathy, Associate Professor, KIMS & Faculty Coordinator, Academic Society. Speaking on the occasion, Brig. Prof. Dr. Ambika Prasad Mohanty, Principal, KIMS praised the students for choosing an apt topic for discussion. The seminar proceeded with a presentation on 'Sources of air pollution and its burden on humanity' by Ms. Sunanda Banerjee and Ms. Swati Suchismita (2020 batch). It was followed by a presentation by Ms. Yasha and Ms. Anushka Ghosh (2019 batch) on various 'Health



hazards' caused by air pollution. Mr Akashdeep Majhi (2017 batch) discussed the 'Prevention of air pollution'. Prof. Dr. Shubhransu Patro, Vice Principal, KIMS; and Dr. Nirmal Ku. Mahakud also graced the occasion. Ms. Elena Susan Shaji and Mr. B. Rishi Mukherjee from the 2020 MBBS batch anchored the event, while the vote of thanks was proposed by Mr. B. Rishi Mukherjee (2020 batch). The seminar had enthusiastic participation from MBBS students from different batches.

What is the science behind soaking mangoes in water before eating and their benefits?



Kumari Sonam Singh
Dietician

Soaking Mangoes just not to clean the dirt but also there is scientific reason behind it my Grandpa used to always soak the mangoes before consuming it, later point in my life I got to know the reason of why Mangoes contain a natural molecule known as phytic acid, which is also present in many nuts. The technique of soaking mangoes in water helps in leaching out the excess phytic acid (or phytates) which can also generate heat in body if consumed in excess. Helps in preventing to skin concerns as acne, pimples and also gut related issues as constipation and headaches. Mangoes have a lot of phytochemicals. Therefore, soaking them reduces their concentration, making them act as 'natural fat busters'. To remove the milky sap that drips from the stem. The fluid contains anti-nutrient phytic-acid that disturbs the absorption of vitamins and minerals.

Benefits of Mango, its nutritional content and some tips on how to enjoy it.

- ⊙ The dietary fiber in mangoes can help in regulating digestion.
- ⊙ The fruit contains starch in abundance that breaks down into sugar, aiding in weight gain.



- ⊙ Mango contains all the necessary nutrients and vitamins required for a healthy pregnancy. Mangoes act as healthy yet tasty supplement food for pregnancy.
- ⊙ Mango is a good source of folate, several B Vitamins, as well as Vitamins A, C, K and E all of which may help boost immunity.
- ⊙ Mangoes may also be able to hydrate your skin when applied topically.

Summary

There is a reason why Mango is called the 'KING' of fruits. It is packed with nutrients and provides significant health benefits to people. If you are looking to boost your health with healthy eating, you should definitely include mango in your diet. Mango has all the necessary nutrients and minerals required to keep your body active on a daily basis.

Annual Conference of Department of Critical Care Medicine, KIMS



The Department of Critical Care Medicine of KIMS organized its Annual Conference (3rd critical care update) on 9th & 10th July, 2022 in association with ISCCM, Bhubaneswar. The CME was inaugurated by Prof. (Dr.) C.B.K. Mohanty, Pro-Vice Chancellor, School of Medicine; Dr. Ambika Prasad Mohanty, Principal, KIMS and Dr. Sujit Kumar Pradhan, HOD, Department of CCM and Organizing Chairman on 9th July



Dr. Yaspal Singh, Professor, Trauma & Emergency, BHU Varanasi and Dr. Kapil Dev Soni, Additional Professor, Trauma Intensive Care, JPNATC, AIIMS New Delhi were the chief speakers at the update which focused on advanced trauma care establishment. Dr. Sujit Kumar Pradhan, HOD, Department of CCM and Dr. Devi Prasad Dash, Assistant Professor of CCM were Organizing Chairman and Organizing Secretary of the CME respectively.

The CME included Airway Management in trauma care, current approach and management shock, recent ATLS update, diagnosis and management of life threatening

injury in trauma, traumatic brain injury (The Silent Epidemic) with approach and management. As many as 140 delegates attended and assisted in this CME. The next event was carried out on 10th July as workshop at Kaabeel Simulation Center by all the expertise of Dept. of CCM, KIMS which covered topics such as basic airway, advanced airway, ICD insertion, E-fast, helmet removal, cervical collar, leg roll pelvic binder, discussion by field created maula/ simulation.

The team of instructors included Dr. Prashant Ranjan Behera, Dr. Sasank Sekhar Mallick, Dr. Sansaya Mohapatra, Dr. Avinash Bar Panda, Dr. Debi Prassana Behera and Dr. Rajeev Ranjan Gupta.

KIMS Doctors' New ICMR Project Receives Sanction

A project on "Comprehensive Tribal TB Management for Decentralized TB Care Services-2021-6328" formulated by Dr. Sonali Kar of KIMS has received the final sanction and the budget is due to be released by August 2022. Dr. Kar as PI has been vested with the Koraput district. The two-year project warrants the team to work with the State and District administration to upscale TB case detection and prompt management in selected prone tribal blocks of Koraput.

The multi-centric project was approved after a meticulous review by the Central TB Division and Ministry of Health and Family Welfare, Government of India to 11 PIs. Two other PIs from Odisha are Prof Dr.

Venkat Rao from Bhubaneswar, who will look after Keonjhar, and Dr. Paromjit Panda, also from Bhubaneswar, who will look after Sundergarh district. The budget is nearly 32 lakh and is the 2nd ICMR project with Dr. Sonali Kar. She is already doing the ICMR-sanctioned Extramural Project, "Interventional study to improve male participation in Contraception in two districts of Odisha- Koraput and Boudh", besides the much coveted NARI supervised series of Covovax trials.

She expressed her gratitude to Founder KIIT & KISS Prof. Achyuta Samanta and all top functionaries of KIMS, Principal Dr. A. Mohanty and Prof. Ramnath Misra for their unconditional support.

World IVF Day 2022

KIMS Centre for Reproductive Medicine Brings the joys of parenting to couples with infertility issues

World IVF Day is celebrated all over the globe on July 25 to mark the birth of the world's first test tube baby Louise Brown in 1978. In vitro fertilization or IVF has given a ray of hope for childless couples since the birth of Louise as the journey continued with many inventions and advancements to increase the success rates. As infertility is not a disease per se, but a social stigma that the couple, especially the female partner, has to live through IVF is a boon for them.



Making use of the available world-class technologies in its stride, the IVF center at Kalinga Institute of Medical Sciences (KIMS), called Centre for Reproductive Medicine (CRM), was started in 2017 with a vision set by KIIT founder Dr. Achyuta Samanta to have the best technologically advanced IVF laboratory. It has so far produced more than 500 test tube babies and brought joy to parents, who face difficulties in attaining pregnancies.

Chief Consultant at CRM in KIMS, Dr Mousumi Acharya, trained in CMC Vellore, feels that IVF procedures are helpful for couples with male and female infertility causes with the highest success rate among all infertility treatment procedures. The procedure is very safe with minimum side effects and is budget-friendly. One-to-one counseling, a state-of-art laboratory with ethical treatment is a salient feature of the Centre.

HIGH SUCCESS RATE OF CRM @ KIMS

The IVF center at KIMS uses Assisted Reproductive Techniques (ART) to help childless couples get the happiness of parenthood. A dedicated team of doctors, IVF technicians and embryologists work tirelessly to

achieve success, which is around 65 percent. In fact, couples suffering from various infertility conditions are unable to achieve the natural fertilization process either due to some physical, hormonal and physiological issues, but through the IVF process they are getting the necessary assistance and bear the fruit of success and they could become proud parents.

Prof Dr Jyochnamayee Panda, HoD of the Department of Obstetrics and Gynaecology at KIMS adds "through our full-fledged IVF center we bring smiles over the faces of the expectant parents and this inspires us to deliver better through technology innovations in the medical sector." Senior Professor of the Department of Obstetrics and Gynaecology at KIMS Dr Sudhanshu Kumar Rath opines "millions of children have already been born through IVF methods and it has come as a boon to infertility issues.

KIMS faculties in the Department of Obstetrics and Gynaecology provide dedicated obstetrics care to all IVF concepts to increase the live birth rate. Thus, earlier consultation and timely treatment will definitely decrease the psychological stress and treatment costs for the infertile couple. Infertility is never by choice so it should not be considered a disease.

KIMS Conducts Health Check-up Camp



KIMS conducted a Health Check-up Camp at Indian Bank, Nayapalli Branch, Bhubaneswar on 2nd August 2022. Over 55 persons benefited from the health screening. The Camp was conducted by Dr. B. K. Sahoo, Department of Medicine, KIMS and Dr. Sovesh, Dr. Anushka & Dr. Gunjan from the Department of Dental Sciences. Apart from the doctors, two staff nurses and one housekeeping staff also contributed to the Camp along with camp coordinator Mr. Bibaswan Das from Marketing Department, KIMS. Officials of Indian Bank expressed satisfaction with the services provided by KIMS.

DEPARTMENT OF GASTROENTROLOGY & HEPATOLOGY:

Dr. Subrat Kumar Acharya
 Dr. Y. K. Chawla
 Dr. A. C. Anand
 Dr. Sarat Chandra Panigrahi
 Dr. Preetam Nath
 Dr. Bipadabhanjan Mallick
 Dr. Dibya Lochan Prahraj

DEPARTMENT OF GASTROINTESTINAL SURGERY

Dr. Mihir Kumar Mohapatra

DEPARTMENT OF CARDIOLOGY

Dr. Panchanan Sahoo
 Dr. Anupam Jena
 Dr. Subasish Mishra
 Dr. Binay Padhee

DEPARTMENT OF CTVS:

Dr. Sharda Ayalasonmayajula
 Dr. Chandan Ku Ray Mohapatra

DEPARTMENT OF NEPHROLOGY:

Dr. S. C. Dash
 Dr. Nikunja Rout
 Dr. Aswin Pattnaik
 Dr. Rajesh Kumar Padhi
 Dr. Kumar Avijeet Dash

DEPARTMENT OF UROLOGY:

Dr. Sukanta Padhi
 Dr. J. B. Jagdev
 Dr. Sumit Ku. Panda

DEPARTMENT OF NEUROLOGY:

Dr. Santosh Ku. Dash
 Dr. Pragatensu Das
 Dr. Rajlaxmi Satpathy

DEPARTMENT OF NEUROSURGERY:

Dr. N. K. Das
 Dr. Dipti Ranjan Satpathy
 Dr. Sanatan Satpathy

DEPARTMENT OF NEUROANAESTHESIA:

Dr. Bimal Kumar Sahoo
 Dr. S. Sharma

DEPT OF ENDOCRINOLGY

Dr. Dayanidhi Meher

DEPARTMENT OF ONCO SURGERY:

Dr. Bidhukalyan Mohanathi
 Dr. Saroj Ranjan Sahoo
 Dr. Sabyasachi Parida
 Dr. Subrat Sahoo

DEPARTMENT OF ONCOLOGY:

Dr. Jyogamaya Pattnaik

DEPARTMENT OF RHEUMATOLOGY:

Dr. Ramnath Misra
 Dr. Prasanta Padhan
 Dr. Sakir Ahmed

DEPARTMENT OF PLASTIC SURGERY:

Dr. Bansidhara Mulia
 Dr. Nilamani Mohanty

DEPARTMENT OF PAEDIATRIC SURGERY:

Dr. Subrat Mohanty
 Dr. Harish Chandra Tudu

DEPARTMENT OF RADIOLOGY:

Dr. Kamal K. Sen
 Dr. Sangram Panda
 Dr. Manoranjan Mohapatra

DEPARTMENT OF IVF:

Dr. Mousumi Acharya

DEPARTMENT OF DENTAL SURGERY:

Dr. Jugajyoti Pathi
 Dr. Balaji Manohar
 Dr. Dharendra Kumar Singh

DEPARTMENT OF CRITICAL CARE MEDICINE:

Dr. Saurav Sutradhar
 Dr. Sasank Sekhar Mallick

DEPARTMENT OF ENT:

Dr. Khageswar Rout
 Dr. Pradipt Ranjan Sahoo

KIMS OPD

GASTROENTEROLOGY OPD

2nd Floor (Above Lobby Pharmacy)

SURGICAL ONCOLOGY

OPD Room No:132

Dressing Room No: 133

CARDIOLOGY OPD

2nd Floor

RHEMATOLOGY

OPD Room No: 104, 142

NEPHROLOGY

OPD Room No: 102

PLASTIC SURGERY

OPD Room No: 107

ORTHOPEADICS

OPD Room No: 108, 110, 111,112,113

SURGERY

OPD Room No: 117, 119, 120, 121

NEUROLOGY

OPD Room No: 124, 127, 129

PSYCHIATRIC

OPD Room No: 3, 4, 5

CLINICAL PSYCHOLOGY

OPD Room No: 48

O & G ULTRASOUND

OPD Room No:16

ONCOLOGY

OPD Room No: 128

DERMATOLOGY

OPD Room No: 15, 16, 17, 18, 19

GENERAL MEDICINE

OPD Room No: 23, 24, 25,26,27



Ambulance : 0674 7105399



ENT

OPD Room No: 29, 30, 31, 32, 33, 34, 35

OPHTHALMOLOGY

OPD Room No: 37, 38, 39, 40, 41, 42, 43, 44, 47

PULMONARY MEDICINE

OPD Room No: 8.9

OLD BUILDING

(Ground Floor)

O & G

OPD Room No: 2, 3, 4, 18, 19

(First Floor)

PEDIATRIC

OPD Room No: 1, 2, 3, 4

Heads of Departments

Anaesthesiology-Dr. Ganesh Chandra Satapathy

ENT- Dr. Kabikanta Samantary

Eye-Dr. Indrani Rath

General Medicine-Dr. Lalatendu mohanty

Obst. & Gyn.- Dr. Sudhansu Ku. Rath

Orthopedics-Dr. Tanmoy Mohanty

Pediatric-Dr. Natabara Swain

Pulmonary Medicine- Dr C. Mohan. Rao

Psychiatry- Dr. Ram Chandra Das

Skin & VD-Dr. Hemanta Kumar Kar

Surgery-Dr. Amaresh Mishra

Radiology- Dr. Kamal K. Sen

Important Contacts

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0674-2725228, 7105354

Ambulance: 0674-7105399, 7440070010

CEO: 0674-7111010

Principal: 0674-2725708

Medical Superintendent:

0674-2725547, 7105369

Director, KIDS: 0674-2725990

Principal, KINS: 0674-2725990

Main ICU:0674-2725864, 7105301

PICU:0674-7105306

NICU:0674-7105305

MICU:0674-7105304

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