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Editorial

Enough is enough..... — *Tamonas Chaudhuri*

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Original Articles

Study of Genetic Mutation Exhibiting Resistance to Rifampicin and Isoniazid in the tuberculosis Cases of Eastern region of Bihar — *D P Singh, S K Ghosh, Pratik Kumar, Ajay Kumar Singh, Krishna Kumar*

[Studies regarding epidemiology of mutations associated with Anti-TB drug resistance in Bihar are sparse. The present study analyzes the presence and prevalence of different genetic mutations associated with resistance to Rifampicin and Isoniazid. Specimens from presumptive MDR TB patients were received and LPA were performed to study the mutation patterns.]

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Comparative Analysis of Efficacy & Safety of Prostaglandin - Timolol Fixed Combination versus Adding Ripasudil to Prostaglandin in Primary Open Angle Glaucoma Patients with Insufficient IOP Control with Prostaglandin Analogue Monotherapy — An Open Label, Randomised Study — *Sutapa Roy, Apala Bhattacharya, Nilay Kumar Majumdar, Anirban Dolui, Srijato Bhattacharya*

[To compare the efficacy & safety of either switching from topical Prostaglandin analogue monotherapy to topical Prostaglandin - Timolol fixed combination therapy or adding Ripasudil to Prostaglandin monotherapy in Primary Open Angle Glaucoma (POAG) patients with insufficient intraocular pressure control.]

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Report from a Trained Specialist Dependent ROP Screening Program in Two State Government Managed Special Newborn Care Units (SNCUs) of North Bengal — *Somnath Chakraborty, Puran Kumar Sharma, Kousik Choudhury, Subarna Goswami*

[Retinopathy of Prematurity (ROP) is emerging as the leading cause of childhood blindness in India. Due to lack of specialists trained in ROP, many SNCUs in remote areas do not have a regular ROP screening program.]

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Study of Serum Vitamin D Level in Patients Having Chronic Obstructive Pulmonary Disease — *Aparajita Deb, Bhaskar Kanti Nath, Prithwiraj Bhattacharjee*

[Chronic Obstructive Pulmonary Disease (COPD) is defined as a disease state characterised by airflow limitation that is not fully reversible. COPD includes both emphysema as well as chronic bronchitis. According to recent studies, there is a significant relation between Vitamin D levels and lung function.]

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A Comparative Assessment of the Diagnostic Value of Anti-cyclic Citrullinated Peptide Antibodies and Rheumatoid Factor in patients with Rheumatoid Arthritis in a Tertiary Care Hospital — *Sandip Ghosh, Sangeeta Das Ghosh, Atanu Chandra, Jyotirmoy Pal*

[Rheumatoid arthritis is a chronic, systemic inflammatory autoimmune disease that affects a variety of tissues and most commonly attacks the joints. Autoantibodies such as anti-cyclic citrullinated peptide antibodies and rheumatoid factor are useful diagnostic tools.]

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Safety and Efficacy of Rituximab in Ankylosing Spondylitis — A One Year Prospective Clinical Study — *Kripasindhu Gantait, Shinjan Patra, Rajdip Chowdhury*

[Ankylosis Spondylitis (AS) has got very few therapeutic options limited to Non-steroidal Inflammatory Drugs (NSAID's) and biologics such as inhibitors of the tumour necrosis factor (TNF)-alpha; and additionally immunomodulators like methotrexate and sulfasalazine are therapeutic options in AS with predominantly peripheral joints involvement.]



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Use of Indomethacin in Covid-19 Patients — Experience from Two Medical Centres — Rajan Ravichandran, Prasanna Purna, Sivakumar Vijayaraghavalu, Ravi Teja Kalavakollu, Shilpa Gaidhane, Ramarathnam Krishna Kumar

[Indomethacin is a widely used drug belonging to the class of the non-steroidal anti-inflammatory drug (NSAID), which has also a proven anti-viral effect. This academic study describes our experience in treating hospitalised symptomatic COVID-19 positive patients with it.]

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Balloon Mitral Valvuloplasty in Patients above 60 years age with Mitral Stenosis in Eastern India : A Prospective Analytic Study from IPGME&R and SSKM Hospital, Kolkata — Saroj Mandal, Debasmita Mandal, Suwendu Chatterjee, Kaushik Banerjee

[This study is a Prospective Analytic Single-centre study performed at IPGME & SSKM Hospital, Kolkata, West Bengal, India, to assess the safety and efficacy of Balloon Mitral Valvuloplasty in patients above 60 years age.]

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Review Article

CRISPR-cas Methods : Culminating in Crescendo of the COVID-19 Pandemic to FELUDA Test — Samashaptak, Pratinjo Das, Sukanti Bhattacharyya, Anindita Banerjee

[COVID-19 pandemic is a universal crisis at this very moment. Since 31st December, 2019 and as of 30th November 2020, 63,187,035 cases of COVID-19 have been reported including 1,467,284 deaths. While Nucleic acid amplification-based methods; particularly real-time RT-PCR remains the gold standard for the diagnosis of COVID-19, various other diagnostic strategies are on trial to find rapid as well as sensitive and feasible testing technique.]

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Case Reports

Avascular Necrosis of Femur Neck in Young Adult Secondary to Indigenous Medicines — An Eye Opener for Clinicians — Parshika Panwar, Ravi Kant, Manjunath Totaganti, Rohit Raina

[Psoriasis is a chronic inflammatory disorder affecting the skin, its treatment is dependent on both topical and systemic therapy including glucocorticoids. The use of indigenous medicine is rampant in countries like India and at time they contain steroids in one or the other the forms.]

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Atypical Hemolytic Uremic Syndrome in Snake Bite : An Often Missed Entity — Amitesh Ranjan, Aradhya Sekhar Bagchi, Tamal Priya Barman, Subrata Kumar Pal, Sashwat Tarenia

[Snake envenomation is an important and common cause of Acute Kidney Injury(AKI) in India. AKI can occur following bites from snakes belonging to various families, due to multiple mechanisms. Hemolytic Uremic Syndrome (HUS) is an unusual cause of AKI following snake envenomation.]

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Middle Colic Artery Pseudoaneurysms in Acute Necrotising Pancreatitis — Danesh Dinesh Patel, Vishal Vasant Sangade, Mahesh Jadhav, Vineeth Saraf, Dhaval Sunil Vasa, Sameer Ashok Rege

[Acute pancreatitis is notorious for causing pseudo-aneurysms of the surrounding vessels, which though rare are associated with a high mortality if they rupture. Such pseudo-aneurysms commonly most commonly involve the splenic artery which lies just behind the pancreas.]

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A Case of Sturge Weber Disease with Portal Hypertension — *Debasmita Biswas, Manjari Saha, Abhinav Das*

[Sturge Weber Syndrome is a rare congenital disorder which is characterized by presence of angiomas that involves the face most commonly over the distribution of ophthalmic and maxillary division of the trigeminal nerve and the leptomeninges leading to central nervous system malformation.]

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Case Discussion in Medicine

Locally Advanced Gastric Cancer — *Samir Bhattacharyya, Arnab Gupta, Saradindu Ghosh*

[Gastric cancer is the third most common cause of cancer-related death in the world. Most cases present in advanced stage in non-endemic areas due to a lack of screening programmes.]

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The Technology must be Accessible and Affordable to All — *Prof. C. Palanivelu*

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— *Bhoomi Angirish, Bhavin Jankharia*

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Challenges in Management of Surgical Site Infections — Lessons Learnt — *Y Muthuswarajah, Amjad Mallik, Anshu Agarwal, Pravin Kesarkar, Srivatsan V, Umesh Shah, Krishna Chaitanya Veligandla*

[Surgical site infections develop due to contamination of the surgical site with microorganisms. Depending on the extent of wound and bacterial load at the time of surgery, the surgical wounds are classified into different types.]

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Operational Guidelines of NVHCP for management of Hepatitis B — *Ajoy Chakraborty, Pallav Bhattacharya, Nandini Chatterjee*

[Viral Hepatitis is a global public health problem with deaths comparable to that caused by tuberculosis or HIV. Infection can be caused by the five known hepatitis viruses- A, B, C, D and E. While, Hepatitis B and C are transmitted by exchange of blood and other body fluids other virus like Hepatitis A and E are transmitted mainly by faeco oral route.]

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Drug Corner

Baricitinib : Delineating a New Treatment Option in COVID-19

— *Rajesh Venkitakrishnan, Praveen Valsalan, Paramez AR, Subin Ahmed,*

Akhilesh Kunoor, Sophia Philip, Monika Chinda On behalf of Cochin Thoracic Society

[The later phase of COVID-19 in humans is characterized by declining viral duplication and may be associated with an boisterous hyperinflammatory response in a minority of subjects]

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Book Review & Letter to the Editor