School of Digestive and Liver Diseases

FACULTY

Medical Gastroenterology
- Prof. Gopal Krishna Dhali
- Dr. Kshaunish Das
- Dr. Rajib Sarkar
- Dr. Partha Sarathi Patra
- Dr. Debashis Misra
- Dr. Arka Banerjee (On Deputation)
- Dr. Kaushik BPN (Senior Resident)

Pediatric Gastroenterology
- Dr Gautam Ray

Hepatology and Center for Liver Research
- Prof. Amal Santra
- Prof. Abhijit Chowdhury
- Dr. Soma Banerjee
- Dr. Kausik Das
- Dr. Simanti Datta
- Dr. Mahiuddin Ahammed
- Dr. Suparna Pal

GI and Liver Pathology
- Dr Ranajoy Ghosh
- Dr Aniket Halder

GI Surgery
- Prof. Gautam Chattopadhyay
- Prof. Sukanta Ray
- Dr. Sumit Sanyal
- Dr. Puranendu Dutta
- Dr. Jayanta Biswas (On Deputation)
- Dr. Suman Saha (Senior Resident)

GI and Liver Pathology
- Dr Ranajoy Ghosh
- Dr Aniket Halder

GI Surgery
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- Prof. Sukanta Ray
- Dr. Sumit Sanyal
- Dr. Puranendu Dutta
- Dr. Jayanta Biswas (On Deputation)
- Dr. Suman Saha (Senior Resident)

GI Anaesthesia
- Dr. Tapas Ghosh
- Dr. Dibyendu Ghrai
- Dr. Sailik Bhattacharya

GI Radiology
- Dr. Avik Sarkar

Students / Trainees / Fellows
- Senior Residents: 2
- DM (Medical Gastroenterology & Hepatology): 21
- DM Students submitted Thesis: 5
- Students pursuing PhD: 15
- Students submitted PhD thesis: 5

Medical officers
- Dr. Dilip Bhattacharya
- Dr. Sujan Khamaru
- Dr. Jabaranjan Hembram

ACADEMIC ACTIVITIES

Thesis submitted by DM residents
1. Prevalence of anxiety, depression and obsession in patients with irritable bowel syndrome – Dr Arka Banerjee
2. Clinico-epidemiological study to estimate the burden of liver disease in children (1-12 years) – Dr Trayambak Samanta
3. A Clinico-virological study to explore the dynamics of chronic hepatitis B virus infection in the immunotolerant phase – Dr Gautam Ray
4. Prospective and dynamic analysis of health related quality of life, depression and anxiety, diet, nutrition and employment status in patients with idiopathic chronic calcific pancreatitis in India – Dr Pankaj Singh
5. Thiopurines in Inflammatory bowel disease, safety profile, predictors of response and their role in long term maintenance therapy – Dr Kaushik BPN
Publications from SDLD in 2015


Manuscript under review


enhanced cytolytic activity and negative immunoregulatory effect on CD4+ T-cells influence disease pathophysiology during progression of HBeAg-negative chronic HBV infection. Under Review in the Journal of Immunology.


CURRENT PROJECTS RUNNING

1. **West Bengal State DST sponsored project** entitled as “Viral Quasispecies diversity and associated peripheral and intrahepatic immunological events in Indian Patients during different Phases of chronic HBV infection with an insight into disease evolution”, Project No.- 1267(Sanc.)/ST/ P/ S&T/ 9G- 7/ 2014.

2. **Department of Biotechnology (DBT), Govt. of India** sponsored project entitled as “Biology of Hepatitis B virus of genotype D in an integrated clinico-virological perspective”, Project No.- BT/ PR7807/ MED/ 29/ 693/ 2013.

3. **West Bengal State DST** sponsored project entitled as “Identification of Hepatitis B virus DNA integration site in liver tissue of HBV related Cirrhosis and Hepatocellular carcinoma patients to understand the mechanism of Hepatocarcinogenesis.” Project No: 924(Sanc.)/ ST/ P/ S&T/ 9G- 21/ 2012.

4. **Council Of Scientific and Industrial Research (CSIR)** sponsored project entitled as “Study to understand the importance and contribution of telomere, telomeric proteins and telomerase in the development of hepatocellular carcinoma” Project No: 27(0305)/ 14/ EMR-II.

5. **DBT, Govt. of India** sponsored project entitled as “Integrative analysis of microRNAs and mRNAs in liver tissue and exosomes from blood of hepatitis C virus (HCV) related hepatocellular carcinoma (HCC) patient to identify biomarker and regulators of HCC” Project No: BT/ PR11971/ MED/ 29/ 890/ 2014.

6. **Council Of Scientific and Industrial Research (CSIR)** sponsored project entitled as “Functional characterization of a new putative tumour suppressor gene, hELG1/ATAD5 and its correlation with hepatitis B virus (HBV) infection.” Project no: 27(0234)/ 10/ EMR-II.


8. **West Bengal- DBT** sponsored project entitled as “Tracing the role of Myeloid Derived Suppressor Cells in HBV immunopathogenesis”, Project No.- BT (Estt)/ RD-10/ 2015.

9. **Council Of Scientific and Industrial Research (CSIR)** sponsored project entitled as “Insight into the distribution and pathogenic potential of diverse Hepatitis B Virus (HBV) subgenotypes underlying different clinical outcomes of chronic infection”, Project No.- 27(0273/ 12emr-II).

Meetings attended and awards received
National meeting

1. Oral presentation by Priyanka Banerjee at One Day Symposium on Biological Chemistry, IICB, Kolkata, April 26, 2014. Title: “A rare HBV D4 subgenotype with unique signatures identified in North East India- An emerging clinical challenge?”

2. Poster presentation by Madhuparna Nandi in Adaptive immune response section of International meeting on the Molecular Biology of Hepatitis B Virus held at University of California, Los Angeles, USA, 3rd-6th September, 2014. Title: “A predominant T cell lineage with functional dichotomy in chronic HBV infection”.


4. Oral presentation by Amit Ghosh at CCHuGe one day symposium October, 2014 at Deulti, West Bengal. Title: “Promising candidate microRNA biomarker in both tissue and plasma for early detection of hepatocellular carcinoma among high-risk: chronic hepatitis B virus infected patients.”


6. Best oral presentation award received by Suchandrima Ghosh at 23rd Annual Conference of Indian National Association for Study of the Liver (INASL) & Current Perspective in Liver Diseases, 2015, New Delhi, India for presenting “Hepatitis B Virus X Protein Upregulates hELG1/ ATAD5 Expression through E2F1 in Hepatocellular Carcinoma”

7. 2nd Best oral presentation award received by Suman Santra at 23rd Annual Conference of Indian National Association for Study of the Liver (INASL) & Current Perspective in Liver Diseases, 2015, New Delhi, India.

8. Special prize awarded for oral presentation to Amit Ghosh in 23rd Annual Conference of Indian National Association for Study of the Liver (INASL) & Current Perspective in Liver Diseases, 2015, New Delhi, India. for presenting “Hepatic miR-126 is a Potential Plasma Biomarker for Detection of Hepatitis B Virus Infected Hepatocellular Carcinoma.”

9. Best poster award received by Alip Ghosh at 23rd Annual Conference of Indian National Association for Study of the Liver (INASL) & Current Perspective in Liver Diseases, 2015, New Delhi, India. for presenting “Hsa-miR-199a-3p by targeting VEGFA, VEGFR1, VEGFR2, HGF and MMP2 impedes intercrosstalks between malignant hepatocyte and tumor microenvironment that drives in Hepatocellular carcinoma”.

10. 2nd Best poster award received by Debanjali Dasgupta at 23rd Annual Conference of Indian National Association for Study of the Liver (INASL) & Current Perspective in Liver Diseases, 2015, New Delhi, India for presenting "Differential Binding ability of NFκB to the Functional SNP in the Promoter of TNFα (-238G/A) Increases the Risk of Alcoholics Liver Disease (ALD)".

11. Poster award received by Suman Santra at 23rd Annual Conference of Indian National Association for Study of the Liver (INASL) & Current Perspective in Liver Diseases, 2015, New Delhi, India.

12. Poster presented by Madhuparna Nandi at 23rd Annual Conference of Indian National Association for Study of the Liver (INASL) & Current Perspective in Liver Diseases, 2015, New Delhi, India. CD8+CD28-T cells: “A major T cell subset with diverse functions in chronic HBV infection”.

13. Poster presented by Rajiv K Mondal at 23rd Annual Conference of Indian National Association for Study of the Liver (INASL) & Current Perspective in Liver Diseases, 2015, New Delhi, India. "Immune driven adaptation of HBV genotype D involves preferential alteration in B-cell epitopes and replicative attenuation- an insight from HIV-HBV co-infection”.

14. Poster presented by Debosree Bishnu at 23rd Annual Conference of Indian National Association for Study of the Liver (INASL) & Current Perspective in Liver Diseases, 2015, New Delhi, India.”
15. Oral presentation by **Amit Ghosh**. 2015 at 34th Annual Convention of Indian Association for Cancer Research, Jaipur, India. “Promising candidate microRNA biomarker in both tissue and plasma for early detection of hepatocellular carcinoma among high-risk chronic hepatitis B virus infected patients.”

16. Poster presentation by **Alip Ghosh**. 2015 at 34th Annual Convention of Indian Association for Cancer Research, Jaipur, India. “miR-199a-3p suppresses VEGFA, VEGFR1, VEGFR2, HGF, PDGFRA and MMP2 to block crosstalks between malignant hepatocyte and tumor microenvironment in Hepatocellular carcinoma”.

**International meetings**

1. Poster presented by **Madhuparna Nandi** at 50th Annual Meeting of the European Association for the Study of Liver, 22th – 26th April, 2015, Vienna, Austria. “Reduced T cell activation, Regulatory T-cell mediated suppression and compromised natural killer cell function characterize immune tolerant phase of chronic HBV infection”. **Abstract awarded for registration Bursary and presented as poster.**


3. **Amit Ghosh** awarded travel grant by DST for attending AACR annual meeting 2015.

4. **Amit Ghosh** awarded travel support award by CICS for attending AACR annual meeting 2015.

5. **Rajiv K Mondal** awarded ICMR Travel Grant for attending “2015 International Meeting on Molecular Biology of Hepatitis B Viruses” from 04/10/15 to 08/10/15 in Germany.

6. **Rajiv K Mondal** was selected for oral presentation in International Meeting on the Molecular Biology of Hepatitis B Viruses, Bad Nauheim, Germany from October 4-8, 2015. Title: “Synergistic effects of mutations in different coding and transcriptional regulatory regions of Hepatitis B Virus (HBV) of genotype D contribute to its occult phenotype- an insight from chronic hepatitis C patients with occult HBV infection”

7. **Rajiv K Mondal** awarded DST Travel Grant under ITS Scheme for attending “2015 International Meeting on Molecular Biology of Hepatitis B Viruses” from 04/10/15 to 08/10/15 in Germany.

8. **Rajiv K Mondal** awarded CICS Travel support for attending “2015 International Meeting on Molecular Biology of Hepatitis B Viruses” from 04/10/15 to 08/10/15 in Germany.

**Invited lectures**

**Gautam Ray** - Recurrent abdominal pain in children at international conference of pediatric gastroenterology (BASPGHAN 2015) at Dhaka, Bangladesh

**Presentation in International meetings**

**Poster presented by DM residents**

- **At Falk Symposium 196**: Critical evaluation of current concepts and moving to new horizons in the management of IBD, Frankfurt, Germany.


**At The Liver Meeting 2015, San Francisco, USA**

- Atorvastatin and propranolol combination cause greater reduction of HVPG than propranolol alone in patients of cirrhosis with portal hypertension – **Saptarshi Bishnu**, Avik Sarkar, Saswata
Chatterjee, Sk Mahiuddin Ahammed, Kshaunish Das, Kausik Das, Gopal K. Dhali, Abhijit Chowdhury

Presentation in National meetings

Poster presented by DM residents
INASL 2015, New Delhi
• Percutaneous drainage may not be necessary in a significant subset of patients with complicated liver abscess, Saptarshi Bishnu, Saswata Chatterjee, Sk: M Ahammed, Kausik Das, Abhijit Chowdhury

Natural course of compensated cryptogenic cirrhosis: evidence of phenotypic diversity, Saptarshi Bishnu, Saswata Chatterjee, Sk: M Ahammed, Kausik Das, Abhijit Chowdhury

Abstracts submitted
DDW 2016, San Diego, USA
• Post Operative Crohns disease maintainene: Is Azathioprine a better option – an Indian Study – Kaushik BPN, Kshaunish Das, Rajib Sarkar, Gopal K Dhali

SERVICE INFORMATION

<table>
<thead>
<tr>
<th>OPD and in-patient service</th>
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<th>Old Patients</th>
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<td>GE OPD</td>
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<td>Indoor admission</td>
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Endoscopy service

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<td>Endoscopic Ultrasound</td>
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<td>Double Balloon Enteroscopy</td>
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Radiology service

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**Pathology service**

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**Liver ITU service**

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<td>Death</td>
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**Gastro-surgery service**

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<td><strong>Total</strong></td>
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