

Endocrinology & Metabolism

STAFF

Faculty

| | | |
|-----------------------------|---|--|
| Prof. Subhankar Chowdhury | : | Professor & Head |
| Prof. Satinath Mukhopadhyay | : | Professor |
| Dr. Pradip Mukhopadhyay | : | Associate Professor |
| Dr. Sujoy Ghosh | : | Associate Professor |
| Dr. Dibakar Biswas | : | Assistant Professor |
| Dr. Rana Bhattacharjee | : | RMO-Cum-Clinical Tutor, Co In-charge, RIA Unit |
| Dr. Arijit Singha | : | RMO-Cum- Clinical Tutor |
| Dr. Bibek Roy Chowdhury | : | In-charge, RIA Unit (Re-employed on contractual basis) |

Other staff:

| | | |
|----------------------|---|--|
| Sri Ram Chandra Dey | : | Gr. I Stenotypist (Re-employed on contractual basis) |
| Sri Monotosh Chandra | : | M.T. Lab. |
| Sri Pradip Mandal | : | M.T. Lab. |

Transfers and postings

Nil.

FACULTY NEWS

Prof. Subhankar Chowdhury

Guest Lecture

- Diagnosis and updated management of diabetes `: Annual National Conference of doctors, Ordinance Factories, Rifle Factory, Ichhapur, Kolkata.
- Key note addresses`: Annual Conference of Society for Nutrition and Diabetes, Kolkata
- `Hypothyroidism Kaleidoscope` : Annual conference of Endocrine Society of India, (West Bengal Chapter) at Kolkata
- `Diabetes and Cognition` : Annual Conference of Hello Diabetes Academia at Nagpur
- `Beta cell and Diabetes` : Dr. Mohan's International Diabetes Update at Chennai.
- `How to set up an ideal Diabetes Clinic` : Regional round table on non-communicable diseases at Kolkata
- `Silent diabetic nephropathy- Endocrinologist view point` : Annual conference of Indian College of Physicians & API (WB) , Kolkata
- `Primary Immunodeficiency and Endocrine disorders` : Institute of Child Health Kolkata
- `Clinical evaluation of a patient with diabetes ` : National Annual Conference of Endocrine Society of India at Delhi.
- `Comprehensive look at FCPD`. Annual National Conference of Research Society for the Study of Diabetes in India (RSSDI) at Hyderabad
- `Endocrinopathies in Diabetes`: National update on Clinical Diabetes at Bhubaneswar.
- Chairperson
- Seminar on "Advances of diabetes management", Annual conference of IDEA, Kolkata
- Free paper session: International Pituitary Update, organized by IPGME&R Kolkata
- Defeating dementia, Kolkata Metropolitan Institute of Gerontology, Kolkata
- Diet in GDM, on occasion of National Nutrition week NRMCH, Kolkata
- Free paper session. Annual conference of RSSDI Hyderabad

External Examiner

- DM Endocrine exit examination at PGI Chandigarh.

Externally funded projects

- "Study of the association of adiponectin gene polymorphism and level of adiponectin with inflammation and endothelial dysfunction in type 2 diabetes subjects" funded by the Research Society for Study of Diabetes in India.

- "Neck circumference as a predictor of impaired glucose metabolism, body mass index, cardiovascular risk factors and metabolic syndrome in normal, pre-diabetic and diabetic population: a population based observational study" – Funded by Deptt. of Science and Technology, Govt. of West Bengal.
- "Association of gene mutations/ polymorphisms with therapeutic efficacy of metformin in type 2 diabetes mellitus patients of West bengal, India" funded by Department of Biotechnology, Government of India.
- "A pilot study on the Role of Gut Microbiome in Gestational Diabetes Mellitus" funded by Department of Biotechnology, Government of West Bengal.

Prof. Satinath Mukhopadhyay

Conferences attended

- Annual conference of the Endocrine Society of India, New Delhi
- Annual conference of the Research Society for the study of diabetes in India, Hyderabad
- National update on clinical diabetes, Bhubaneswar
- North Eastern Diabetes Conference, Guwahati
- Pituitary update, Endocrine Society of Bengal, Kolkata
- Annual conference of the Integrated Diabetes and Endocrine academy, Kolkata
- Annual conference of the Indian Society for Bone Mineral Research, CMC, Vellore
- Annual conference of the API, West Bengal branch, Kolkata
- Annual conference of the API, North Bengal chapter, Siliguri

WORKSHOPS:

- Awareness and training on "Pharmacovigilance"- 9 December, IPGME&R, Kolkata
- ICMR sponsored workshop on 'disease burden estimates for diabetes in India', 5 September, 2016, New Delhi, India
- UNESCO sponsored "3T Plus ETTC training course in Bioethics", 21-23 January, 2016, Kolkata, India.
- UNESCO sponsored "3T IBHSc advanced Bioethics course", 2 November, Kolkata, India.

Guest Speaker

- Vitamin D deficiency and insulin resistance. At the North Eastern Diabetes Conference, Guwahati.
- Practical aspects of insulin therapy. At the National update on clinical diabetes, Bhubaneswar.
- Immunometabolic dysfunction and insulin resistance. At the Annual conference of the Research Society for the study of diabetes in India, Hyderabad.
- Post transplant osteoporosis. At the Annual conference of the Indian Society for Bone Mineral Research, CMC, Vellore.
- Renal glucose handling: what goes wrong in type2 diabetes? At the Annual conference of the API, North Bengal chapter, Siliguri
- Role of Saroglitzazar, hydroxychloroquine and Bromocriptin in the treatment of type2 diabetes. At the Annual conference of the Endocrine Society of India, New Delhi.
- Vitamin D deficiency: pathophysiologic consequences. Guest lecture at the Annual Conference of the Indian Physiological Society, KPC Medical College, Kolkata, India.

Current affiliations

- Guest faculty: Department of Biotechnology, St. Xavier's College, Kolkata, India.
- Chairman, Human Ethics Committee, Indian Institute of Chemical Biology, Kolkata, India
- Governing Council Member, CSIR IICB Translational Research Unit of Excellence incubation Center, Government of India.

Examiner

- DM Endocrinology (Exit exam), Department of Endocrinology & Metabolism, Christian Medical College, Vellore.
- Overseas Medical Graduates Registration Examination, National Board of Examinations, India.

Health Camp

- Saw 55 diabetic patients at a health camp at Math Bishnupur, Panskura, East Midnapore, West Bengal.

PhD Guide

- Vitamin-D Deficiency and Insulin Resistance: Molecular Mechanisms and Clinical Implications. Under University of Calcutta
- Lipid induced insulin resistance: molecular mechanisms. Under University of Calcutta.
- Role of black tea polyphenols on glucose and lipid uptake in diabetes. Under University of Calcutta
- Effects of L-theanine on insulin secretion and insulin sensitivity in type-2 diabetes. Under University of Calcutta

PhD Co-guide

- "Inositol phospholipid signaling in apoptotic death of insulin producing beta cells leading to diabetes". In collaboration with the Department of Biochemistry, Ballygunge Science College, University of Calcutta.
- "Molecular characterization of initial events during apoptosis of pancreatic beta cells and isolated rat islets upon treatment with cytokines (TNF- alpha etc.) and streptozotocin, which create diabetic animal models". In collaboration with the Department of Biochemistry, Ballygunge Science College, University of Calcutta.
- "Metal dysregulation in pathogenesis of Alzheimer's disease : An experimental studies in rat brain and cultured mammalian SHSY5Y cells." In collaboration with the Department of Biochemistry, Ballygunge Science College, University of Calcutta.

Other ongoing research projects

- Consequence of vitamin-D supplementation on changes in systemic inflammatory markers, insulin resistance, 1-hour plasma glucose levels and progression to overt diabetes in patients of pre-diabetes with vitamin-D deficiency: A randomized controlled trial. Funded by the Department of Science and Technology, Government of West Bengal.
- Role of black tea derived polyphenols on glucose and lipid uptake by peripheral blood mononuclear cells (PBMC) from individuals with glucose intolerance. Funded by the National Tea Research Foundation (NTRF), Government of India.
- Role of biofilm formation on healing of diabetic foot ulcers. In collaboration with the Biomedical Genomics Centre, Kolkata.
- Micro RNA profiling in diabetic peripheral neuropathy.
- DPP-IV concentration and activity in serum and adipose tissue in persons with type2 Diabetes. In collaboration with the Division of cellular physiology, Indian Institute of Chemical Biology, Kolkata, India.
- Role of thioredoxin binding protein-1 in glucose and lipid uptake by adipose tissue and skeletal muscles in high fat diet induced diabetic mice. In collaboration with the Division of cellular physiology, Indian Institute of Chemical Biology, Kolkata, India.
- Lipid-induced LRAT interferes with retinol metabolism and β -oxidation through PPAR α leading to hepatic steatosis and insulin resistance. In collaboration with the Division of cellular physiology, Indian Institute of Chemical Biology, Kolkata, India.

Book chapter

- Satinath Mukhopadhyay, Samim A Mondal, Deep Dutta. Immunometabolic dysfunction and insulin resistance. RSSDI Diabetes Update, Jaypee Brothers Medical Publishers (P) Ltd. Chapter 6, page: 24-26. 2016.

Dr. Pradip Mukhopadhyay

Project by WB DST

- A study to compare and correlate the metabolic health (anthropologic and biochemical) between Scheduled Tribe population and non Scheduled Tribe population in underdeveloped parts in the District of Birbhum with special reference to metabolic health awareness especially about diabetes: a population based observational study. Being carried in the District of Birbhum

Guest Lecture

- Premixed Insulin Analogue by Annual conference by RSSDI West Bengal Chapter Held at Novotel Kolkata

Thesis Guide

- Endocrine Changes via thalassemia with special reference to puberta Changes. By Dr Dipanjan Chakrabarty. PDT Clinical Hematology. Paper presented at 9th Annual Sickle Cell and Thalassemia Advanced Conference 7 – 9 October 2015. London
- Pregnancy and Thyroid function: An eastern India Perspective by Dr Subhadip Pramanik.

Dr. Dibakar Biswas

Conferences attended

- Best of ADA, Kolkata 2016
- Pituitary Update organized by IPGME&R, Kolkata

Dr. Rana Bhattacharjee**Guest Lecture**

- Role of Sulfonylureas in Management of Type 2 Diabetes: International Masterclass organized by Royal College of Physicians of Ireland – 24th January 2016
- Managing Dyslipidemia: organized by Association of Physicians of India at RG Kar Medical College – 18th February 2016
- Haven't gliptins met the expectations? Diabetes and Thyroid Meet organized by RSSDI WB Chapter and Endocrine society of Bengal – 13th March 2016
- HIV Endocrinopathy: Organised by Association of Physicians of India, North Bengal at Siliguri – 18th June 2016
- Cardiovascular Safety of Sulfonylureas: organized by IMA Howrah – 9th July 2016
- Debate on Early Insulinisation: Insulin Discovery day celebration by Diabetic Association of India, WB – 30th July 2016
- Diagnosis and Monitoring of Diabetes: Diabetes Conclave Organised by Association of Physicians of India, WB Branch – 20th August 2016
- Gender Reaffirmation - Endocrinologist's Role: State conference of Indian Psychiatric Association, WB Branch- 21st August, 2016
- Magnitude and Skeletal Implication of Vitamin D Deficiency: National Nutrition Week Celebration by Diabetic Association of India, WB – 2nd September, 2016
- Endocrine Emergencies: State conference of Indian association of Clinical Medicine WB Chapter – 11th September 2016
- Diabetes Dyslipidemia – Management Aspects: State conference of Association of Physicians of India, WB Branch – 30th September 2016
- Using basal Insulin in clinical practice: Sikkim Manipal University – 5th November 2016.

Conferences attended

- ESICON 2016 at New Delhi
- IACM State Conference, Kolkata
- API State Conference, Kolkata
- Pituitary Update organized by IPGME&R Kolkata
- Diabetes and Thyroid Meet at Kolkata organized by RSSDI WB Chapter and Endocrine society of Bengal

Dr. Arijit Singha**Conferences attended:**

- Pituitary Update organized by organized by IPGME&R Kolkata
- Best of ADA Kolkata 2016

DEPARTMENTAL PUBLICATIONS

1. Selvan C, Dutta D, Thukral A, Nargis T, Kumar M, Mukhopadhyay S, Chowdhury S. Neck height ratio is an important predictor of metabolic syndrome among Asian Indians. *Indian J EndocrinolMetab.* 2016 Nov-Dec;20(6):831-837. PubMed PMID: 27867888.
2. Chakraborty PP, Bhattacharjee R, Roy A, Mukhopadhyay S, Chowdhury S. Male Factor Infertility: Clues to Diagnose 46, XX Male. *J ObstetGynaecol India.* 2016 Oct;66(Suppl 2):662-665. PubMed PMID: 27803538; PubMed Central PMCID: PMC5080238.
3. Chakraborty PP, Patra S, Biswas SN, Santra G, Mukhopadhyay S, Chowdhury S. Clinical and Roentgenological Profiles of Five Patterns of Charcot Foot in Diabetes: A Case Series. *Clin Diabetes.* 2016 Oct;34(4):207-210. PubMed PMID: 27766013; PubMed Central PMCID: PMC5070588.
4. Agarwal S, Chattopadhyay M, Mukherjee S, Dasgupta S, Mukhopadhyay S, Bhattacharya S. Fetuin-A downregulates adiponectin through Wnt-PPAR γ pathway in lipid induced inflamed adipocyte. *BiochimBiophysActa.*

2016 Oct 6;1863(1):174-181. doi: 10.1016/j.bbdis.2016.10.002. [Epub ahead of print] PubMed PMID: 27720679.

5. Mandala A, Das N, Bhattacharjee S, Mukherjee B, Mukhopadhyay S, Roy SS. Thioredoxin interacting protein mediates lipid-induced impairment of glucose uptake in skeletal muscle. *BiochemBiophys Res Commun*. 2016 Oct 28;479(4):933-939. doi: 10.1016/j.bbrc.2016.09.168. PubMed PMID: 27702549.
6. Ghosh AR, Bhattacharya R, Bhattacharya S, Nargis T, Rahaman O, Duttagupta P, Raychaudhuri D, Chen Liu CS, Roy S, Ghosh P, Khanna S, Chaudhuri T, Tantia O, Haak S, Bandyopadhyay S, Mukhopadhyay S, Chakrabarti P, Ganguly D. Adipose Recruitment and Activation of Plasmacytoid Dendritic Cells Fuel Metaflammation. *Diabetes*. 2016 Aug 25. pii: db160331.
7. Singha A, Saha S, Bhattacharjee R, Mondal S, Choudhuri S, Biswas D, Das SK, Ghosh S, Mukhopadhyay S, Chowdhury S. Deterioration Of Ovarian Function After Total Abdominal Hysterectomy With Preservation Of Ovaries. *Endocrine Pract*. 2016 Aug 19. [Epub ahead of print] PubMed PMID: 27540878.
8. Chaudhary S, Dutta D, Kumar M, Saha S, Mondal SA, Kumar A, Mukhopadhyay S. Vitamin D supplementation reduces thyroid peroxidase antibody levels in patients with autoimmune thyroid disease: An open-labeled randomized controlled trial. *Indian J EndocrinolMetab*. 2016 May-Jun;20(3):391-8. doi: 10.4103/2230-8210.179997.
9. Dutta D, Mukhopadhyay S. Intervening at prediabetes stage is critical to controlling the diabetes epidemic among Asian Indians. *Indian J Med Res*. 2016 Apr;143(4):401-4. doi: 10.4103/0971-5916.184281
10. Mandal K, Ray S, Saxena D, Srivastava P, Moirangthem A, Ranganath P, Gupta N, Mukhopadhyay S, Kabra M, Phadke SR. Pycnodysostosis: mutation spectrum in five unrelated Indian children. *ClinDysmorphol*. 2016 Apr 18. [Epub ahead of print] .
11. Chakraborty PP, Datta S, Mukhopadhyay S, Chowdhury S. Pseudoacromegaly in congenital generalisedlipodystrophy (Berardinelli-Seip syndrome). *BMJ Case Rep*. 2016 Apr 11;2016. pii: bcr2016214493. doi: 10.1136/bcr-2016-214493
12. Gupta R, Bhar K, Sen N, Bhowmick D, Mukhopadhyay S, Panda K, Siddhanta A. mRNA and Protein levels of rat pancreas specific protein disulphideisomerase are downregulated during Hyperglycemia. *Indian J Exp Biol*. 2016 Feb;54(2):100-7.
13. Chakraborty PP, Bhattacharjee R, Mukhopadhyay S, Chowdhury S. 'Rachitic rosary sign' and 'tie sign' of the sternum in tumour-induced osteomalacia. *BMJ Case Rep*. 2016 Feb 23;2016. pii: bcr2016214766. doi: 10.1136/bcr-2016-214766.
14. Chakraborty PP, Bhattacharjee R, Mukhopadhyay S, Chowdhury S. *BMJ Case Rep*. 2016 Feb 17;2016. pii: bcr2016214624. doi: 10.1136/bcr-2016-214624.
15. Mukhopadhyay S, Bhattacharya S. Plasma fetuin-A triggers inflammatory changes in macrophages and adipocytes by acting as an adaptor protein between NEFA and TLR-4. *Diabetologia*. 2016 Apr;59(4):859-60. doi: 10.1007/s00125-016-3866-y. Epub 2016 Jan 18.
16. Dutta D, Selvan C, Mukhopadhyay S. Multiple Pituitary Hormone Deficiency, Empty Sella and Ectopic Neurohypophysis in Turner Syndrome. *IndianPediatr*. 2015 Sep;52(9):803-4.
17. Profile of liver enzymes in non-alcoholic fatty liver disease in patients with impaired glucose tolerance and newly detected untreated type 2 diabetes. Debmalya Sanyal, Pradip Mukherjee, Moutusi Raychaudhuri, Sujoy Ghosh, Satinath Mukherjee, Subhankar Chowdhury. *Indian Journal of Endocrinology and Metabolism / Sep-Oct 2015 / Vol 19 | Issue 5*
18. Diabetes and Primary Infertility in Young Males: Do Not Forget Cystic Fibrosis. ParthaPratimChakraborty, Sayantan Ray, Rana Bhattacharjee, Sujoy Ghosh, PradipMukhopadhyay, SatinathMukhopadhyay, Subhankar Chowdhury. *Clinical Diabetes journals*. VOLUME 33,NUMBER 2, SPRING 2015
19. First Presentation of Diabetes as Diabetic Ketoacidosis in a Case of Friedreich's Ataxia. ParthaPratimChakraborty, Sayantan Ray, Rana Bhattacharjee, Sujoy Ghosh, PradipMukhopadhyay, SatinathMukhopadhyay, and Subhankar Chowdhury. *Clinical Diabetes journals*. VOLUME 33,NUMBER 2, SPRING 2015
20. Glycaemic control using different regimens of intermediate- and short-acting insulin in childhood type 1 diabetes mellitus: an experience from a tertiary care centre. ArijitSingha, Beatrice M. Anne, Sumit Kumar Chakrabarti, Sujoy Ghosh, Subhankar Chowdhury, Rana Bhattacharya. *International Journal of Diabetes in Developing Countries*. pp 1-6 First online: 06 June 2016. DOI 10.1007/s13410-016-0509-2
21. Blount's disease: a rickets mimicker. Rana Bhattacharjee, ParthaPratimChakraborty, Ajitesh Roy, Sugata Narayan Biswas. *BMJ Case Rep* 2016. doi:10.1136/bcr-2016-215682

22. Houssay phenomenon – hypopituitarism leading to remission of diabetes. SubhodipPramanik ,Rana Bhattacharjee, PradipMukhopadhyay, Sujoy Ghosh. *Clinical Medicine* 2016; 16 (3): 294–6
23. Abdominal pseudohermia: a manifestation of diabetic truncalradiculoneuropathy. ParthaPratimChakraborty, ArijitSingha, Rana Bhattacharjee, Subhankar Chowdhury. *BMJ Case Rep* 2016. doi:10.1136/bcr-2016-215605
24. Inter-patient Variability in Clinical Efficacy of Metformin in Type 2 Diabetes Mellitus Patients in West Bengal, India. BiswabandhuBankura, Madhusudan Das, Arup Kumar Pattanayak, BidishaAdhikary, Rana Bhattacharjee, SoumikGoswami, Subhankar Chowdhury, Ajitesh Roy. *Journal of Metabolic Syndrome*. 2016, 5:2
25. Bilateral adrenal myelolipoma in Cushing’s disease: a relook into the role of corticotropin in adrenal tumourigenesis. ParthaPratimChakraborty, Rana Bhattacharjee, PradipMukhopadhyay, Subhankar Chowdhury. *BMJ Case Rep* 2016. doi:10.1136/bcr-2016-214965.
26. A young woman with oligomenorrhoea and dysphagia. Singha A, Biswas D, Patil M. *Eur J Intern Med*. 2016 Aug 20. pii: S0953-6205(16)30249-7. doi: 10.1016/j.ejim.2016.08.009. [Epub ahead of print]
27. Concurrence of Lipoatrophy and Lipohypertrophy in Children With Type 1 Diabetes Using Recombinant Human Insulin: Two Case Reports. Singha A, Bhattacharjee R, Ghosh S, Chakrabarti SK, Baidya A, Chowdhury S. *Clin Diabetes*. 2016 Jan;34(1):51-3. doi: 10.2337/diaclin.34.1.51
28. Oxygen-18 isotope of breath CO2 linking to erythrocytes carbonic anhydrase activity: a biomarker for pre-diabetes and type 2 diabetes. Chiranjit Ghosh, GourabD.Banik, AbhijitMaity, SumanSom, ArpitaChakraborty, ChitraSelvan, Shibendu Ghosh, Subhankar Chowdhury and Manik Pradhan. Published in *Scientific Reports*, 5:8137, DOI: 10.1038/srep08137, 30Jan2015
29. Practical approaches for self-monitoring of blood glucose: an Asia-Pacific perspective.Subhankar Chowdhury, LinongJi, Sompongse Suwanwalaikorn, Neng-Chun Yu, EngKiatTan.Published in *CMRO, Current Medical Research &Opinion*, Vol.31, No.3, 2015, 461-476.
30. Place of sulfonylureas in the management of type 2 diabetes mellitus in South Asia : A consensus statement Sanjay Kalra, A.H. Aamir, Abbas Raza, A.K. Das, A.K. Azad Khan, Dina Shrestha, Md Faisal Qureshi, Md. Fariduddin, Md. Faruque Pathan, FatemaJawad,JyotiBhattarai, Nikhil Tandon, Noel Somasundaram, Prasad Katulanda, Rakesh Sahay, Sanjib Dhungel, Sarita Bajaj, Subhankar Chowdhury, Sujoy Ghosh, S.V. Madhu, Tofail Ahmed, Uditha Bulughapitiya. *Indian Journal of Endocrinology and Metabolism /Sep-Oct 2015/Vol 19/Issue5/577-596*
31. The Importance of Non High Density Lipoprotein Cholesterol in Dyslipidaemia Management SubhankarChowdhury,Jyothi Raman Chowdhury and SoumikGoswami.*Journal of Diabetes and Metabolism*, ISSN:2155-6156 JDM, Vol06/Issue11/1000623,Published 18Nov2015.
32. Oxidative stress in hypothyroid patients and the role of antioxidant supplementation, Sumit Kumar Chakrabarti,SujoyGhosh,SandipBanerjee,SatinathMukherjee,SubhankarChowdhury.*Indian Journal of Endocrinology and Metabolism*, Sep-Oct 2016/Vol 20/Issue 5,674-678
33. Evaluation of Serum Creatinine, EGFR and Insulin-like Growth Factor 1 in Hypothyroid subjects before and after L-Thyroxine replacement, TrinanjanSanyal, Sujoy Ghosh and SubhankarChowdhury.*European Journal of Biomedical and Pharmaceutical sciences*, 2016, ISSN2349-8870, Volume:3 Issue:7, 313-316.
34. Clinical and Roentgenological Profiles of Five Patterns of Charcot foot in Diabetes: A case series , ParthaP.Chakraborty, ShinjanPatra, SugataN.Biswas, GourangaSantra, SatinathMukhopadhyay and Subhankar Chowdhury. *American Diabetes Association*, Volume 34, Number 4, Fall 2016, 207-210.
35. A novel sensor to estimate the prevalence of hypochlorous (HOCl) toxicity in individuals with type 2 diabetes and dyslipidemia. Kakali Ghoshal, Sangita Das, Krishnendu Aich, Shyamaprosad Goswami, Subhankar Chowdhury, Maitree Bhattacharyya. *Clinica Chimica Acta* 458(2016)144-153, <http://dx.doi.org/10.1016/j.cca2016.05.006>.
36. Prevalence of hypothyroidism in Kolkata : An epidemiological pilot study. SoumikGoswami, Uttio Gupta, NilanjanSengupta, Subhankar Chowdhury, Pranab Kumar Sahana, Varun Sharma. *Indian Journal of Basic and Applied Medical Research*; Mar2016: Vol5, Issue 2, P 370-373.
37. Prevalence of hypothyroidism in pregnancy: An epidemiological study from 11 cities in 09 states of India Dinesh Kumar Dhanwal,SaritaBajaj,RajeshRajput,K.A.V.Subramaniam,SubhankarChowdhury,RajendraBhandari,MalaDharmalingam,RakeshSahay,AshrafGanie, Narendra Kotwal, Usha Shriram. *Indian Journal of Endocrinology and Metabolism*, Vol. 20, No. 3, May-June 2016, pp. 387-390.

38. Bilateral breast enlargement in a chronic alcoholic: do not miss Madelung's disease, Sayantan Ray, Partha Pratim Chakraborty, SubhodipPramanik, Subhankar Chowdhury. Ray S,etal.BMJ Case Rep 2016,doi:10.1136/bcr-2016-215082, Accepted 21April2016

STUDENT INFORMATION

Dr. Saurava Bhatt, Dr. Sunetra Mondal, Dr. Neha Agrawal, Dr. Debarati Bhar, Dr. Soumita Momdal, Dr, Suvrendu Sekhar Kar joined as new post-doctoral trainees.

Departmental academic activity

- Case presentation: Every Monday and Friday
- Journal Watch : Every Tuesday
- Seminar presentation: Every Monday
- Ward round daily

SERVICE INFORMATION

Patient attendance

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| Out Patients: Diabetic OPD (Wednesday, Thursday & Saturday) | New Patients: 13336 Old Patients: 52940 |
| Endocrine OPD (Monday, Tuesday & Friday) | New Patients: 7142 Old Patients: 18584 |
| In Patients: Diabetological Problems | 72 |
| Other endocrinological problems | 59 |

Laboratory information

Following hormone assays were carried out in the past 1 year (01.01.2015 – 15.12.2016)

| Test | Count | Test | Count | Test | Count |
|---------------|-------|-----------------|-------|-----------|-------|
| T3 | 229 | Prolactin | 196 | PSA | 84 |
| T4 | 845 | Testosterone | 328 | ACTH | 163 |
| FT3 | 747 | Cortisol | 545 | IGF-1 | 231 |
| FT4 | 5142 | Insulin | 307 | C-peptide | 165 |
| TSH | 5815 | GH | 60 | IGF BP3 | 28 |
| Thyroglobulin | 55 | Anti TPO Ab | 458 | TG | 79 |
| LH | 331 | Anti TG Ab | 28 | iPTH | 52 |
| FSH | 420 | Androstenedione | 14 | Estradiol | 41 |
| SHBG | 84 | DHEASO4 | 54 | | |

Total Tests done 16,422

Total Patients 9,851