

GOVT OF WEST BENGAL
DEPARTMENT OF BIOCHEMISTRY
MEDICAL COLLEGE KOLKATA

ANNUAL REPORT OF DEPARTMENT OF BIOCHEMISTRY FOR THE YEAR 2018

(a) Faculty position

Serial No.	Name of Faculty member	Designation
1.	Dr. Tapan Mukhopadhyay	Professor & HOD
2.	Dr. Kaushik Bhowmick	Professor
3.	Dr. Dipankar Kundu	Associate Professor
4.	Dr. Samudra Guha	Assistant Professor
5.	Dr. Santasmita Pal	Assistant Professor
6.	Dr. Lekha Biswas	Assistant Professor
7.	Dr. Soumika Biswas	Assistant Professor
8.	Dr. Sarbamangla Bhattacharya	Demonstrator
9.	Dr. Sucharita Mondal	Demonstrator
10.	Dr. Amrita Ghosh	Demonstrator
11.	Dr. Moitreyee Chowdhury	Demonstrator
12.	Dr. Ananya Saha	Senior resident

(b) OPD, IPD & Laboratory Investigation information:

• **TESTS DONE AT OPD CLINICAL BIOCHEMISTRY LABORATORY MEDICAL COLLEGE, KOLKATA FROM JANUARY TO DECEMBER 2018**

TSH/FT4	21461/14066
LFT	10889
LIPID PROFILE	35000
URIC ACID	3560
ADA	1958
LDH	1338
AMYLASE	1017
LIPASE	861
CALCIUM	1061
PHOSPHORUS	780
URINE ACR	1776
MAGNESIUM	148
LH	1032
FSH	947
PROLACTIN	1318
CEA	949
AFP	881
CA 19.9	887
TESTOSTERONE	548
PSA	1045
B HCG	571
CA 125	993
SUGAR	32773
UREA	22990
CREATININE	21878
NA/K	3478/3478
VITAMIN D3	1192
G6PD	325
HbA1C	3483
CORTISOL	370
FT3	4
VITAMIN B12	1176
IGFBP3	31
CRP	6000
E2	122
FERRITIN	2393
IGF1	142
INSULIN	327
AMH	419
C-PEPTIDE	157
ACTH	188
ANDROSTENEDIONE	118
PROGESTERONE	113
DHEAS	98

ANTI TPO ANTIBODY	562
IRON/TIBC	2985/2985
IGE	762
BETA2MICROGLOBULIN	53
Thyroglobulin	65
C3	597
C4	597
SHBG	99
Calcitonin	283
RF Factor	3516
ASO	762
CERULOPLASMIN	163
Anti TTG	53
Anti CCP	1919
Anti PR ₃ Ab	403
Anti MPO Ab	403
Folate	741
ANA profile 3	1159
ABG Profile	777
Urinary protein /ca	42/32
GGT	185
NGRS	58
Urinary Na/K	555
ANA Hep 2	881
Anticardiolipin Ab IgG	320
Anticardiolipin Ab IgM	320
Anti beta 2 glycoprotein IgG	162
Anti ds DNA	420
Hs crp	150
IgG	178
IgA	120
IgM	171
Cyclosporin	119
Erythropoietin	105
AMH	250
PTH	245
ANTI SSA	5
ANTI SSB	10
TOTAL	2,26,104

• **TESTS DONE IN CENTRAL LABORATORY, MEDICAL COLLEGE & HOSPITAL, KOLKATA IN JANUARY - DECEMBER 2018**

Serial Number	Name of Parameter	Number of tests performed OPD + INDOOR
01.	Complete hemogram	112896
02.	Hb	56340
03.	ESR	25020
04.	CSF & Body Fluids	3024
05.	Stool	2060
06.	Urine (RE & ME)	5760
07.	P.T	18960
08.	APTT	12000
09.	INR	21660
10.	Fibrinogen	1188
11.	Malaria (Microscopy)	4500
12.	Malaria (Card Test)	5760
13.	HbSAg (Card Test)	16488
14.	HCV (Card Test)	16236
15.	D-Dimer	240
16.	Lupus Anticoagulant	348
17.	Fibrinogen degradation Product	372
	TOTAL	302852

**TESTS DONE IN CENTRAL LABORATORY, MEDICAL COLLEGE &
HOSPITAL, KOLKATA IN JANUARY – DECEMBER 2018**

Serial Number	Name of Parameter	Number of tests performed
01.	Sugar	45465
02.	Urea	111720
03.	Creatinine	109920
04.	Total Bilirubin	85680
05.	Direct Bilirubin	85260
06.	SGOT	76764
07.	SGPT	76512
08.	ALP	74412
09.	Total Protein	76368
10.	Albumin	76092
11.	Uric Acid	18936
12.	Cholesterol	9444
13.	Triglyceride	9348
14.	HDL	9312
15.	CRP	38676
16.	CK	7764
17.	CK-MB	7080
18.	Calcium	8232
19.	Phosphate	0
20.	Amylase	23304
21.	Lipase	24420
22.	LDH	32208
23.	Na+,K+,Cl-	134040
24.	Urinary Micro protein	2088
	TOTAL	1143045

(c) Academic information

Number of PGTs appeared in University examination	Number of PGTs passed in University examination	Medal/Award
Three	Three	-----

(d) Seminar & Guest Lectures

Regular postgraduate seminars are conducted in the department

Serial Number	Title	Speaker
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(e) Attendance in National and International Conference & Workshop

Serial Number	Name of the Conference/ Workshop	Faculty attended
1.	AMBICON 2018 Lab Physicians: Need of Clinicians 26 th Annual Conference of Association of Medical Biochemists of India held on 16-18 th November 2018	Dr. Tapan Mukhopadhyay Dr. Amrita Ghosh

(f) Publications of Faculty in National and International journals

Serial Number	Title of the article	Journal Name	Authors
1.	Biochemical and clinical variations among severe Plasmodium vivax malaria cases: A prospective study	Nigerian Journal of Clinical Practice 2018	Dipankar Kundu
2.	Diagnostic value of Serum Adenosine Deaminase in Type 2 Diabetes mellitus	North American Journal of Medicine	Dipankar Kundu
3.	Serum testosterone levels in type 2 Diabetes	International Journal of Medical Research & Review 2018	Dipankar Kundu
4.	Status of lipid peroxidation and role of serum zinc and copper in subjects with Hypothyroidism	IOSR Journal of Dental and Medical Sciences IOSR-JDMS 2018;17(7): 54-57.	Santasmita Pal, Sumit Patra, Tapan Mukhopadhyay

(g) Ongoing research activities

1. Study of Lipid profile in Hypothyroid subjects with status of Vitamin D.
Name of Student: Dr. Mosharaf Hossain
Name of Guide: Dr. Tapan Mukhopadhyay
2. Body Iron status and its relation to metabolic syndrome and Insulin resistance in Type 2 Diabetes Mellitus patients.
Name of Student: Dr. Debanjan Garai
Name of Guide: Dr. Kaushik Bhowmick
3. Prevalence of anaemia and erythropoietin deficiency in early diabetic nephropathy and its correlation with microalbuminuria
Name of Student: Dr. Munmun Saha
Name of Guide: Dr. Debes Ray
4. A study on renal functional status in subjects suffering from Primary Hypothyroidism: A hospital based Cross sectional study
Name of Student: Dr. Prajna Sarkar
Name of Guide: Dr. Tapan Mukhopadhyay
5. Assessment of Prolactin and insulin resistance in women with Polycystic Ovarian syndrome
Name of Student: Dr. Satyaki Basu
Name of Guide: Dr. Dipankar Kundu
6. Effect of glycemic control on status of C-peptide, IGF-1, CEA and CA 19-9.
Name of Student: Dr. Indranil Chakraborty
Name of Guide: Dr. Kaushik Bhowmick

(h) Brief information about any ongoing project work in the department:

Urinary Iodine and Salt Iodine estimation project Under **NATIONAL IODINE DEFICIENCY DISORDER CONTROL PROGRAM**- Urine and salt sample from different districts of West Bengal are received and Iodine concentration is determined.

(i) Special achievements & collaborative activities by the department:

Nil