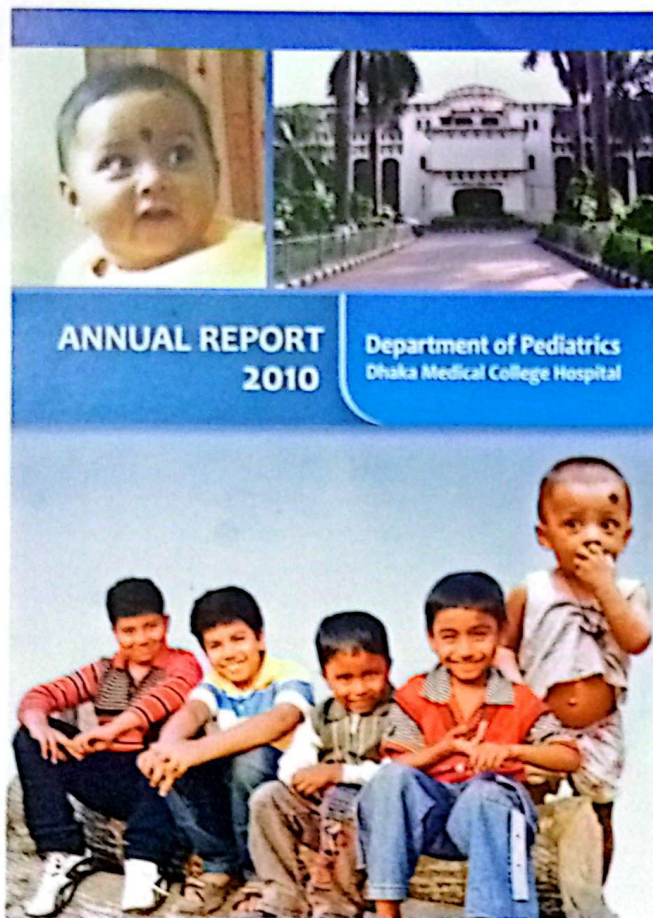


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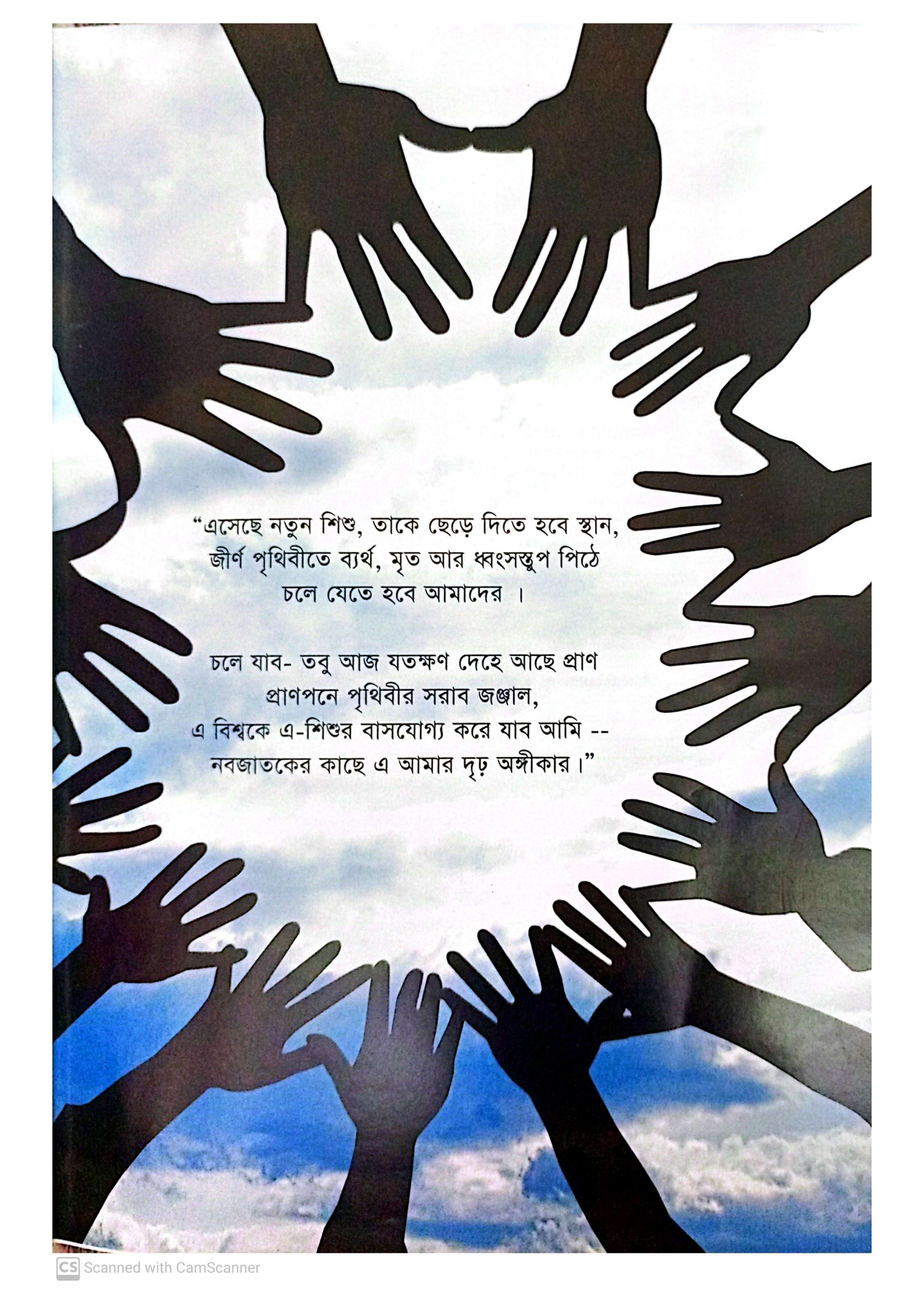
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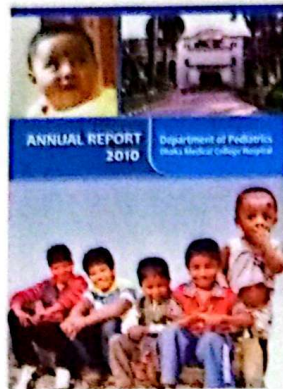


Department of Pediatrics
Dhaka Medical College Hospital
Dhaka, Bangladesh.



“এসেছে নতুন শিশু, তাকে ছেড়ে দিতে হবে স্থান,
জীর্ণ পৃথিবীতে ব্যর্থ, মৃত আর ধ্বংসস্তূপ পিঠে
চলে যেতে হবে আমাদের ।

চলে যাব- তবু আজ যতক্ষণ দেহে আছে প্রাণ
প্রাণপনে পৃথিবীর সরাব জঞ্জাল,
এ বিশ্বকে এ-শিশুর বাসযোগ্য করে যাব আমি --
নবজাতকের কাছে এ আমার দৃঢ় অঙ্গীকার ।”



Annual Report 2010

Department of Pediatrics
Dhaka Medical College Hospital, Dhaka

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Message

It is a great pleasure to see the Annual Report of the Department of Pediatrics of Dhaka Medical College has come into being. Various activities of this department have been vividly depicted here. This report reflects the achievements, as well as, the constraints of the department and acts as a guideline for future activities.

I pray for the further flourishing of this department and hope for their greater contribution to the child health of Bangladesh. Finally, congratulations for all whose sincere efforts have made this book an epitome.

Prof. Quazi Deen Mohammad
Principal
Dhaka Medical College



Message

I feel very pleased to see yet another well compiled publication from the Department of Pediatrics, Dhaka Medical College. This will surely be of help for those who look for relevant information regarding this department. Despite so many limitations this kind of achievement is praiseworthy.

Since my attachment with Dhaka Medical College Hospital I attended and enjoyed lot of programs conducted by the Department of Pediatrics.

I wish for further improvement of this department. Let it be an example for us all. May Allah bless us to be with children and make them happier and healthier.

A handwritten signature in black ink, appearing to read 'Shahidul Haque Mallick', with a long horizontal line extending to the right.

Brigadier General Shahidul Haque Mallick
Director
Dhaka Medical College Hospital



Message

It is a matter of immense pleasure for me to announce that Department of Pediatrics has brought out a total of 12 annual reports since 1999. It is the will and blessings of the Almighty who has enabled us to complete such a huge task. An annual report gives us the opportunity to look back into the activities and events of the previous year and helps planning for a better and brighter next year.

The year 2010 had been a very special for us. We had launched 3 new sub-specialties of Pediatrics namely Pediatric Nephrology, Pediatric Pulmonology and Pediatric Neurology & Development. These along with previously established Neonatology & Pediatric Hematology and Oncology have added new dimensions in our patient care services. Now our department is able to deliver skilled subspecialty services to the patients through these divisions.

Last year when the entire nation was affected psychologically by anthrax and many misconceptions engulfed the nation about Anthrax, then Department of Pediatrics along with Teachers Association of Dhaka Medical College organized a seminar on ANTHRAX where national figures in the respective field were present. We have published, for the first time in Bangladesh, a hand book on Anthrax which proved to be a time-honored endeavor, was highly acclaimed by everybody.

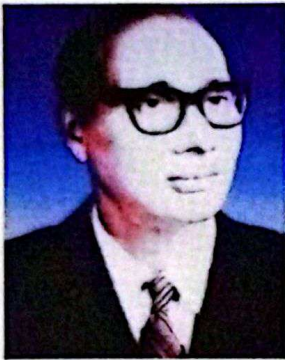
In the 2008 issue of annual report we published guidelines for management of common neonatal problems, this year we have described the management protocols of common childhood malignancies.

I would like to extend my gratitude to college and hospital administration, especially our Principal Prof. Quazi Deen Muhammad, Director of the Hospital Brig General Dr. Shahidul Haq Mallick & learned colleagues of my Department for their immense support and cooperation for the smooth running of the department. I would like to thank Teachers Association of Dhaka Medical College for inspiring us in conducting academic programs.

Lastly, I am very much grateful to my colleagues and other members of my Department for their unprecedented support without which the delivery of this manual would never happen.

Prof. M Ekhlasur Rahman
Professor & Head
Department of Pediatrics
Dhaka Medical College

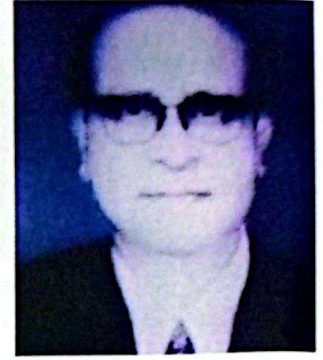
Former Heads of the Department



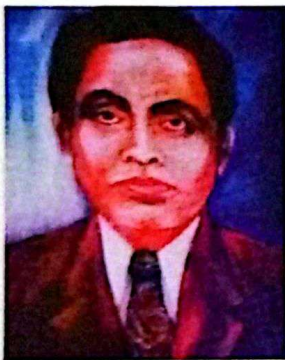
Prof. Habibur Rahman



Prof. Sultan Ahmed
Chowdhury



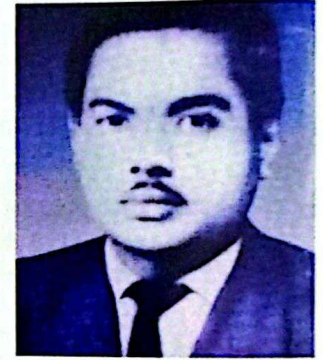
National Prof. M R Khan



Prof. M. H. Chowdhury



Prof. M. A Kader



Prof. Badrul Alam



Prof. Maleka Khatun



Prof. Mahmudul Karim



Prof. Nazmun Nahar



Prof. Mohammad Abdul
Hannan



Prof. Md. Abid Hossain
Mollah

The Pediatric Family, Dhaka Medical College Hospital



Department of Pediatrics

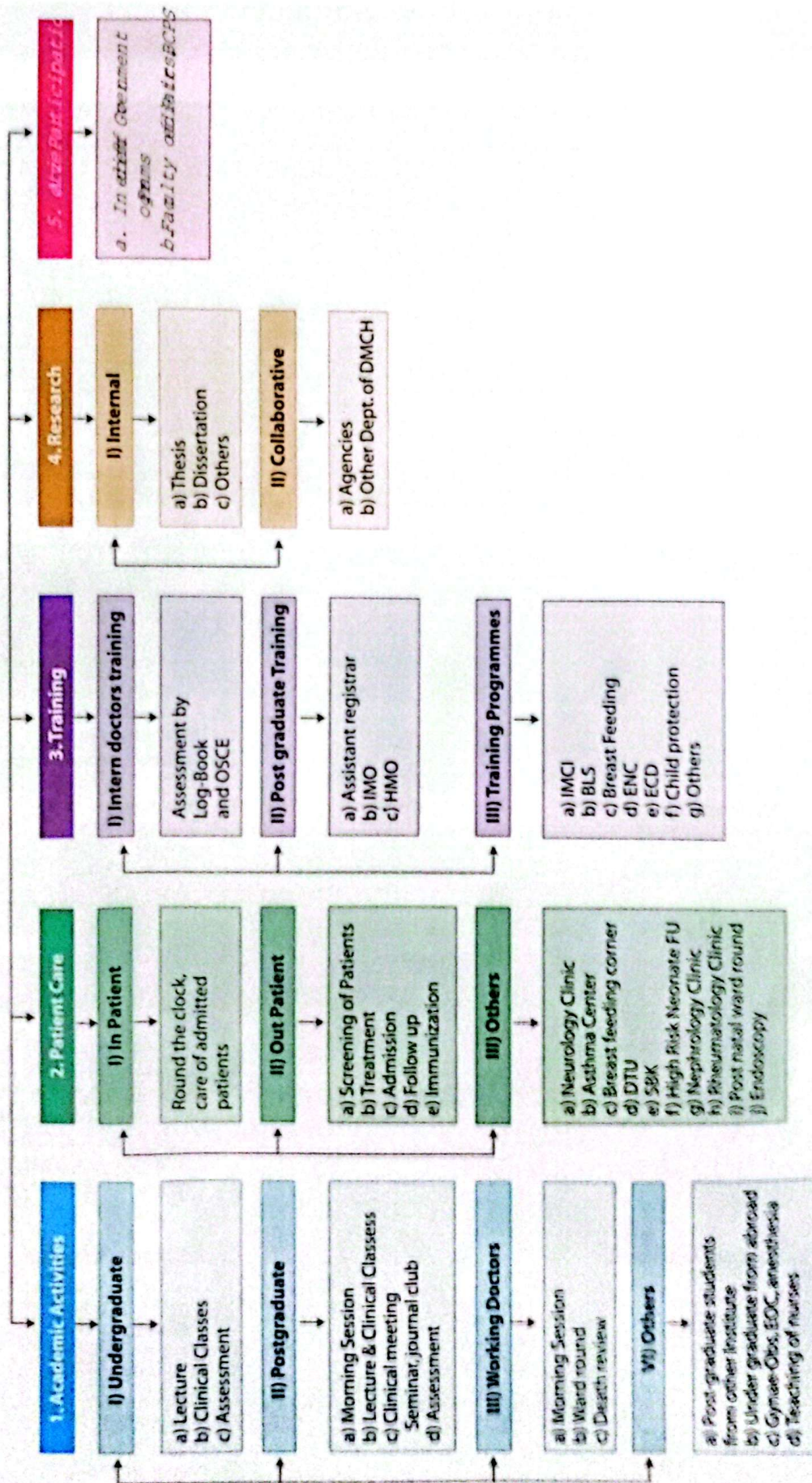


Pediatric Ward



Special Care Baby Unit

Department of Pediatrics Dhaka Medical College Hospital Activities at a Glance



Staffing Pattern

Indoor Setup

Name of the Post	Number	Name of the Faculty
Professor & Head	1	Professor M Ekhlasur Rahman
Professor	2	Professor Md. Abid Hossain Mollah Professor Lutful Ehsan Fatmi
Associate Professor	4	Dr. Mainuddin Ahmed Dr. Sayeeda Anwar Dr. Narayan Chandra Saha Dr. Shireen Afroz
Assistant Professor	9	Dr. A.K.M Matiur Rahman Dr. Abdul Matin Dr. Manisha Banerjee Dr. Sk. Azimul Hoque Dr. Laila Yasmin Dr. L C Kundu Dr. A K M Amirul Morshed Khasru Dr. Shishir Ranjan Das Dr. Tafazzol Hossain Khan
Resident Physician (RP)	1	Dr. Ariful Islam
Registrar	3	Dr. Rifat Zaman Dr. Abu Sayeed Chowdhury Dr. Md. Golam Sadik Mamun
Name of the Post	Number	Name of the Staff (s)
Assistant Registrar	7	Dr. Sanjida Sharmin (PU I) Dr. Jobaida Parveen (PU II) Dr. Mohammad. Mohsin (PU III) Dr. Md. Kabirul Islam (SCABU) Dr. Habibur Rahman (SCABU) Dr. Ashish Kumar Ghosh (PHO) Dr. Moushumi Rahman (Nephro)
Research Assistant	1	Dr. A S M Hasibul Hasan
Medical Officer	7	Dr. Rokibul Islam Ripon Dr. Tridib Kumar Kar Dr. Shubir Nandy Dr. Zakir Hossain Dr. Ramjan Ali Dr. Sanjoy Kumar Das Dr. Nusrat Shams

Faculty of Pediatrics



Monthly Co-ordination Meeting

Staffing Pattern



Registrars



Assistant Registrars

Staffing Pattern

Honorary Medical Officer

Dr. Lubaba Sharmin	Dr. Yasmin Akhter	Dr. Mashura Musarraf
Dr. Somita Rani Sarker	Dr. Wahida Nargis	Dr. Hasan Parvez
Dr. Asma Akhter	Dr. Humayun Kabir	Dr. Udoy Sarker
Dr. Tasnuva Khan	Dr. Miftahul Jannat	Dr. Arman Bin Abdullah
Dr. Zakia Sultana	Dr. Laila	Dr. Sumitra Majumder
Dr. Sadia Khan	Dr. G Kabir	Dr. Md. Fuad Galib
Dr. Tahera Begum Chisty	Dr. Nasrin	Dr. Rezona Nasrin
Dr. Afreen Jahan	Dr. Tasnim	Dr. Shaifa Lubna
Dr. Sayeema Kabir	Dr. Toshiba Rahman	Dr. Nadia
Dr. Dilruba Afroze Mitu	Dr. Joyeshri Roy	Dr. Faeqa
Dr. Audity Titas	Dr. May May Hla	Dr. Mamun
Dr. Sharika Nuzhat	Dr. Salma Sultana	Dr. Habibur Rahman
Dr. Mumtahina Setu	Dr. Laisha Yasmin Liza	Dr. Mohammad Belayet Hossain
Dr. Mohammad Yasin	Dr. Abu Sadat Md Saleh	Dr. Nilufa
Dr. Sayeema Kabir	Dr. Dipa Saha	Dr. Asma Akter
Dr. Tareq Imtiaz	Dr. Dolon	Dr. Rafia Rashid
Dr. Jamal Uddin	Dr. Rumana	Dr. Syeda Nur-e-Jannat
Dr. Soma	Dr. Tania Sharmin	Dr. Mahbub Alam
Dr. Jannatul Ferdous	Dr. Nazneen	Dr. Nusrat Jahan
Dr. Nargis Sultana	Dr. Mehdi Pervez	Dr. Jannatul Ferdous Sonia
		Dr. Shorna Ikram

Postgraduate Students

MD Students

Dr. Zahirul Haque Shagor
Dr. Nazmul Haque
Dr. Monir Hossain
Dr. Khondaker Zahirul Islam
Dr. Khondaker Kamruzzaman
Dr. Munir Hossain
Dr. Jugindra Singha
Dr. Khondoker Tarikul Islam
Dr. Mahfuzur Rahman
Dr. Hasan Farok
Dr. Mahfuza Akhter
Dr. Md Forhad Hossain
Dr. Shah Abdullah Al Baqui

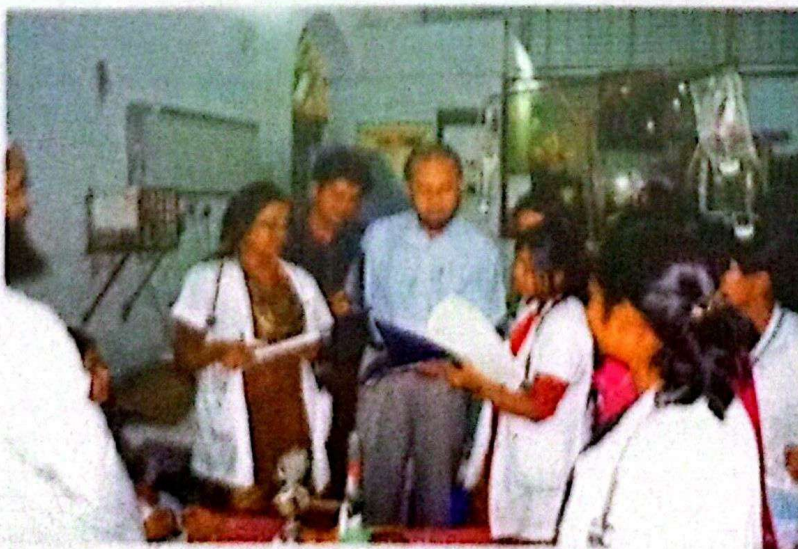
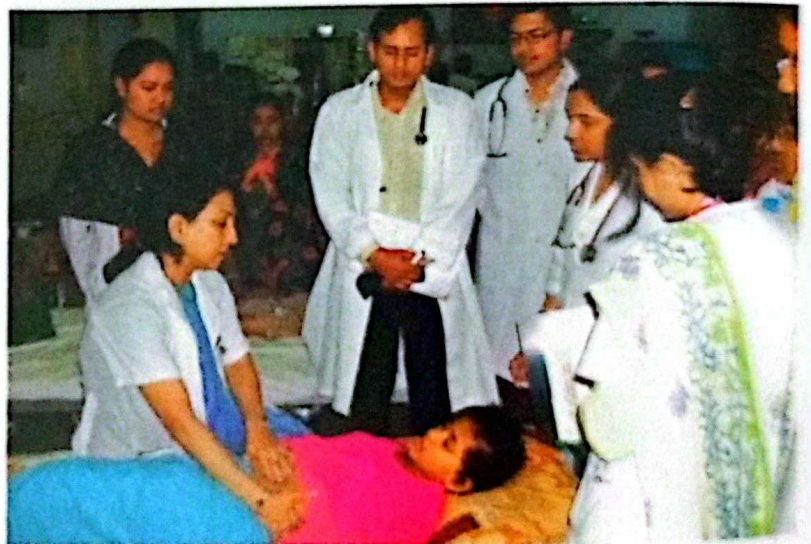
DCH Students

Dr. Tanjirul Islam
Dr. Jannatul Ferdous
Dr. Roksana Hoque
Dr. Mahbuba Jahan
Dr. Sahina Akhter
Dr. Ismat Jahan
Dr. Refaetul Haider
Dr. Nilufa Parvin
Dr. Mahmudul Huq Chowdhury
Dr. Selim Mridha

Nursing Staff

Name of the Post	Ward	Name of the Staff (s)
Sister-in-charge	Ward 11 Ward 12 SCABU	Shapna Rani Sarkar Rahima Khatun Veronica Corraiya

Regular Ward Activities



Regular Ward Activities



Sub-specialities

Department of Neonatology

Staffing Pattern

Name of the Post	Number	Name of Faculty
Professor	01	Professor Md. Abid Hossain Mollah
Assistant Professor	03	Dr. Manisha Banerjee Dr. Shishir Ranjan Das Dr. Tafazzol Hossain Khan



Department of Neonatology



Exchange transfusion in the Department of Neonatology



Exchange done with radial artery and femoral vein in a outborn patient aging 26 months, having indirect bilirubin level 36 mg/dl, diagnosed clinically as a case of Criglar-Najjar syndrome. This was done for the first time in Dhaka Medical College Hospital.

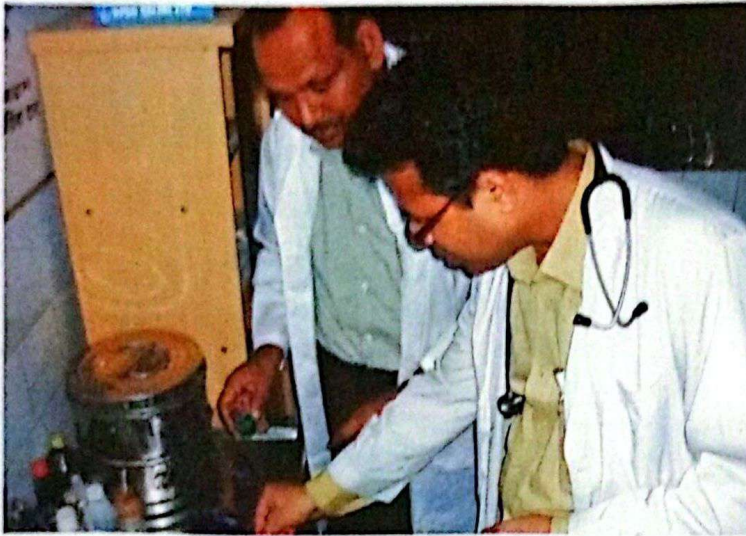
Department of Pediatric Hematology and Oncology

Staffing Pattern

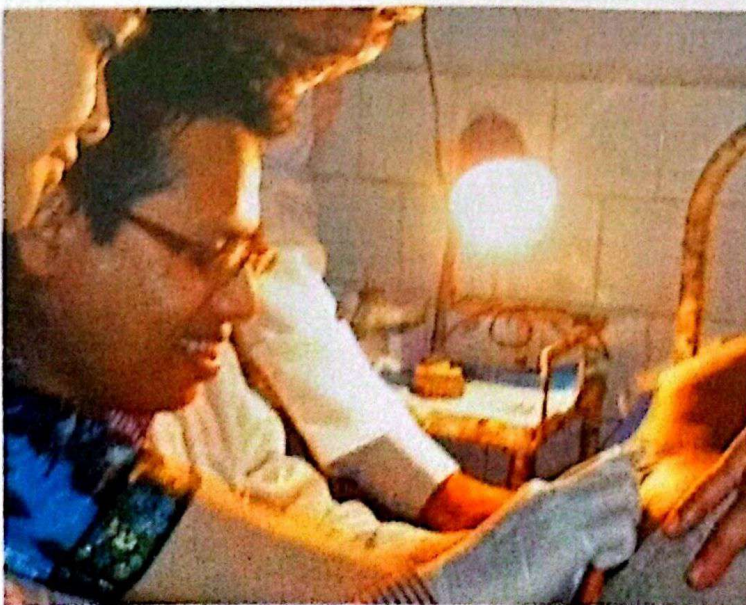
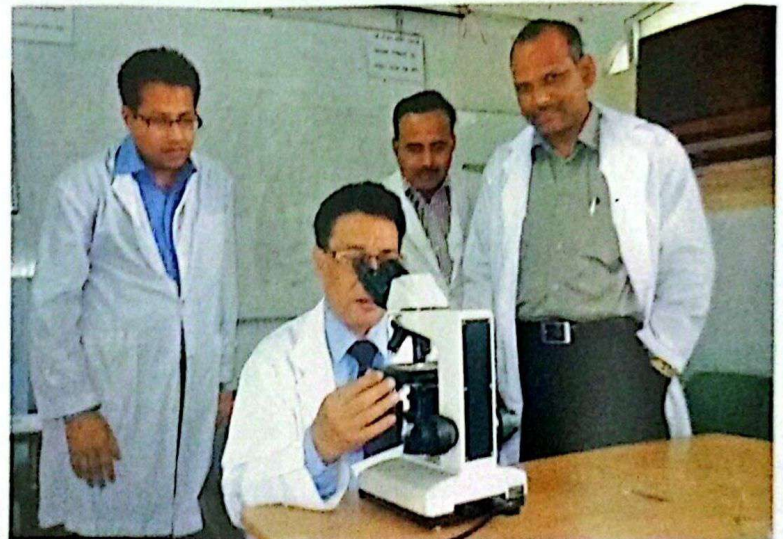
Name of the Post	Number	Name of the Faculty
Professor	01	Professor Lutful Ehsan Fatmi
Assistant Professor	01	Dr. A K M Amirul Morshed Khasru



Department of Pediatric Hematology and Oncology



Slide preparation



Intrathecal (IT) Medication

Pediatric Pulmonology

Staffing Pattern

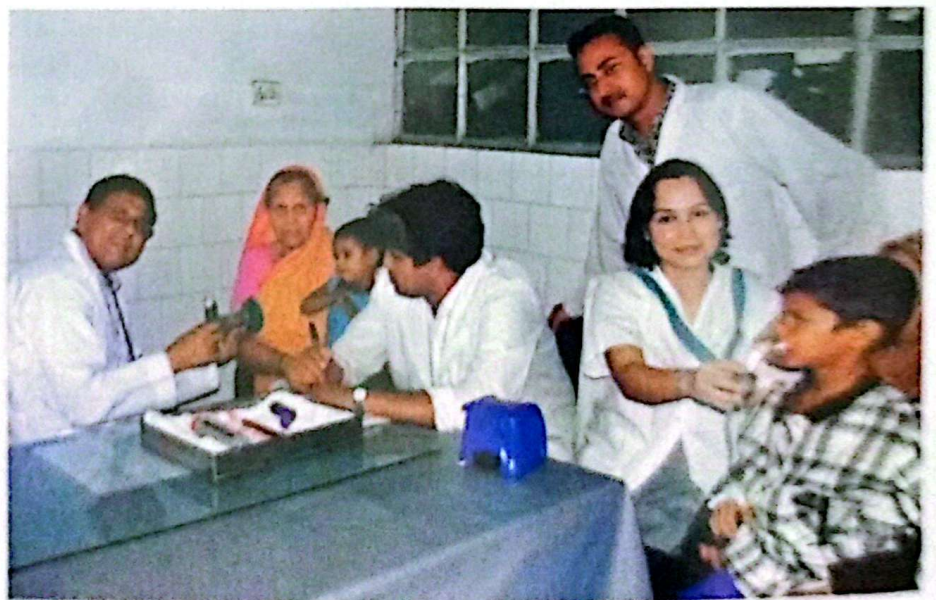
Name of the Post	Number	Name of the Faculty
Associate Professor	01	Dr. Sayeeda Anwar
Assistant Professor	02	Dr. A. K. M. Matiur Rahman Dr. Sk Azimul Hoque



Pediatric Pulmonology



Lung function assessment



Outdoor Follow up

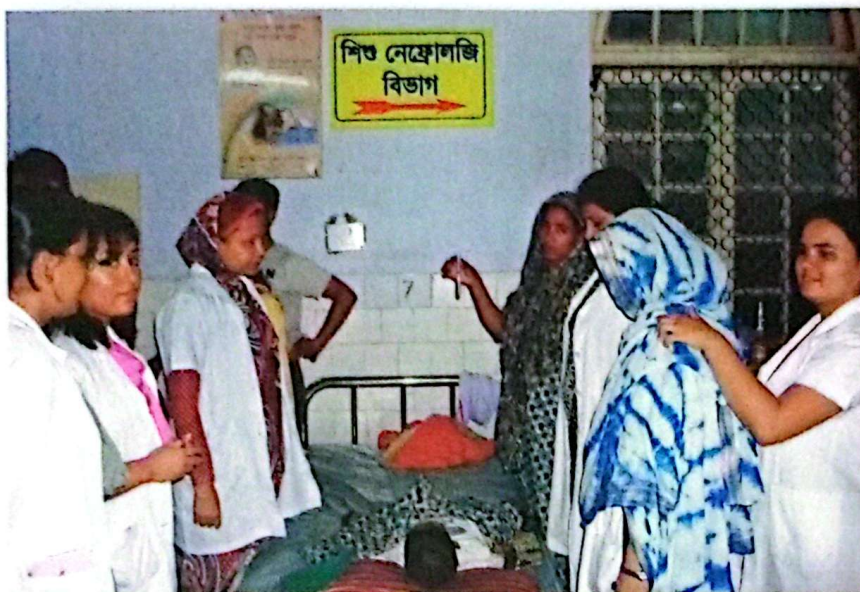
Department of Pediatric Nephrology

Staffing Pattern

Name of the Post	Number	Name of the Faculty
Associate Professor	01	Dr. Shireen Afroz
Assistant Professor	02	Dr. Laila Yasmin Dr. LC Kundu



Department of Pediatric Nephrology



Outdoor Follow up

Pediatric Neurology & Development

Staffing Pattern

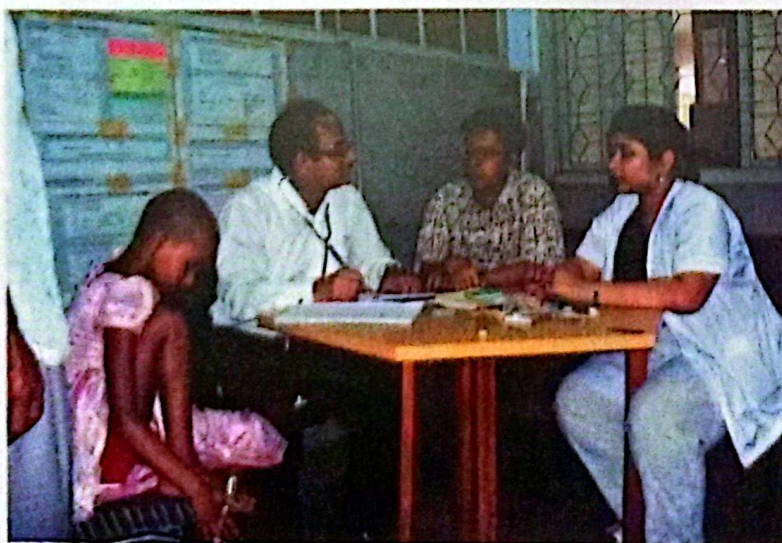
Name of the Post	Number	Name of the Faculty
Professor	01	Prof. M. Ekhlashur Rahman
Associate Professor	02	Dr. Mainuddin Ahmed Dr. Narayan Saha
Assistant Professor	01	Dr. A Matin



Pediatric Neurology & Development



Botox clinic



Outdoor Follow up

Nutritional Activities



Preparation of F-75 and F-100 in the Division of Nutrition



Khichuri for malnourished patients

Beds and Patients

A Brief Account of Hospital Beds

Total beds in DMCH

1700

Total beds in Pediatrics

140

(Sanctioned after extension of
Dhaka Medical College Hospital)

General Pediatrics

60

Neonatology

20

Gastroenterology & Nutrition

20

Pediatric Hematology and Oncology

20

Pediatric Nephrology

20

57

(Previous)

General Pediatrics

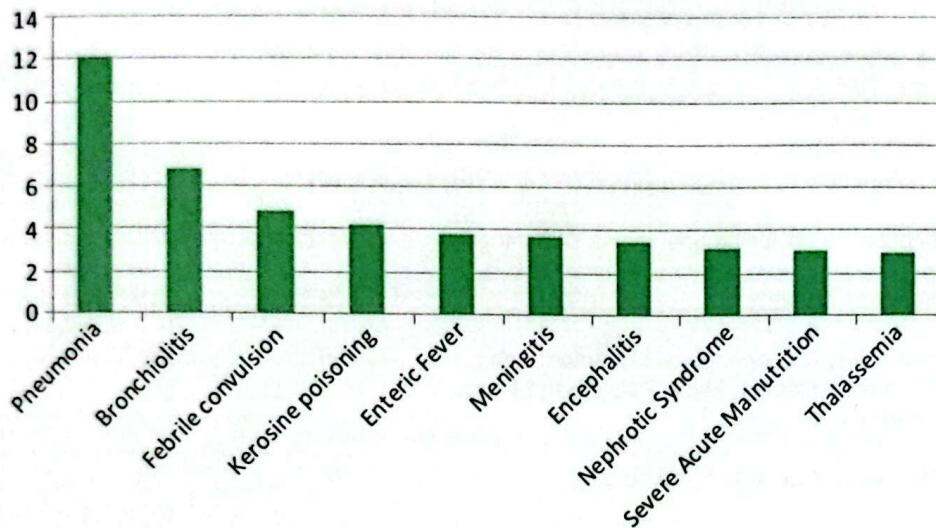
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Neonatology

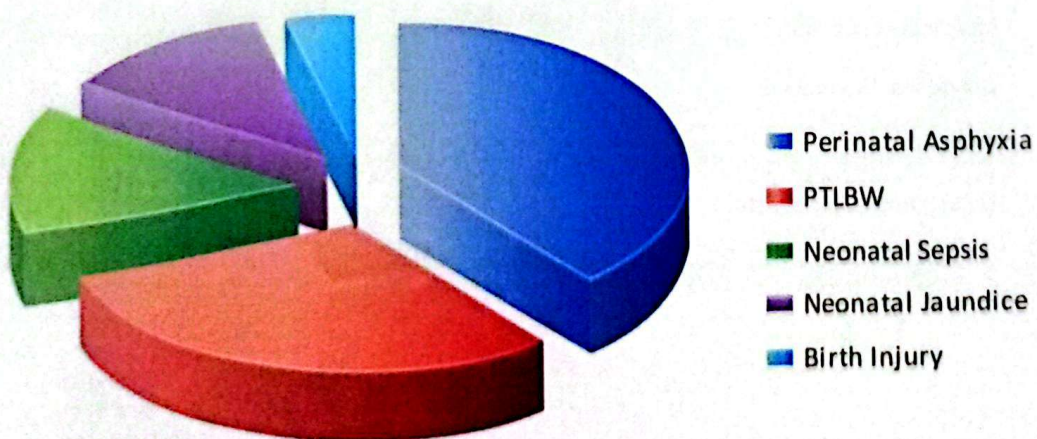
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**At present about 100-120 patients needs to be accommodated within the wards.
Two patient in a bed is almost a routine, sometimes three need to be allowed.**

Top 10 Diseases of 2010 Inpatient Department



Top 5 Diseases of 2010 SCABU



Disease Profile of Neonates

Total Admission = 2854
Total Death = 446 (15.62% of Total Admission)

Sl. No.	Name of the Disease	Total admission	Death	% of Total Death
1	Perinatal Asphyxia	944	173	39
2	Preterm Low birth weight (with VLBW & IUGR)	751	102	23
3	Septicemia (including pneumonia & meningitis)	347	72	16
4	Neonatal Jaundice	297	21	4.7
5	Birth Injury (Subaponeurotic Haemorrhage, Cephalhaematoma, Facial Palsy, Hand Injury, Others)	98	3	0.7
6	Meconium Aspiration Syndrome	92	23	5.2
7	Neonatal Seizure	76	19	4.3
8	Infant of Diabetic Mother	49	6	1.3
9	Respiratory Distress Syndrome	46	11	2.5
10	Congenital Anomaly (Cardiac Anomali, Telepes equinavarous, Cleft lip with Cleft Palate, Meningomyelocele, Gastrosclerosis etc.)	27	3	0.7
11	Transient Tachypnoea of Newborn	23	-	-
12	Neonatal Hepatitis Syndrome	15	-	-
13	Down's Syndrome	11	-	-
14	Intestinal obstruction	8	-	-
15	Congenital Pneumonia	6	1	0.2
16	Biliary Atresia	2	-	-
17	Osteogenesis Imperfecta	2	-	-
18	Others	60	12	2.6

Disease Profile of Children (Age 1 Month to 12 Years)

Total Admission = 3772
Total Death = 192 (5.0 % of Total Admission)

Sl. No.	Name of the Disease	Total admission	No. of Death	% of Death
I. Respiratory System				
1	Pneumonia	504	18	9.3
2	Bronchiolitis	282	02	1.0
3	Acute exacerbation of Bronchial Asthma	30		
4	Pleural Effusion	12	01	0.52
5	Acute laryngo-tracheo-bronchitis	05	-	-
6	Pneumothorax	02	-	-
7	Bronchiectasis	02	-	-
8	Lung Abscess	01	-	-
9	Empyema Thoracis	01	-	-

II. GIT & Hepatobiliary System				
10	AWD with severe dehydration	116	-	-
11	Acute viral hepatitis	37	-	-
12	Hepatic Encephalopathy	23	07	3.64
13	Fulminant Hepatic Failure	22	09	4.68
14	Wilson's Disease	16	01	0.5
15	Dysentery	15	-	-
16	CLD	14	-	-
17	Helminthiasis	13	-	-
18	Biliary Atresia	11	-	-
19	Acute Abdomen	10	-	-
20	Liver Abscess	07	-	-
21	Portal hypertension	07	-	-
22	Persistent diarrhoea	05	-	-
23	Peptic ulcer disease	03	-	-
24	SOL in Liver/ Hepatocellular carcinoma	03	01	0.5
25	Herpes Labialis & Oral Thrush	02	-	-
26	Pyloric stenosis	01	-	-
27	Glycogen storage disease	01	-	-
28	Acute pancreatitis	01	-	-

III. Infectious Diseases				
29	Enteric fever	156	01	0.5
30	Septicemia	110	23	11.9
31	Tuberculosis-		3	1.56
	Pulmonary	30		
	Extra Pulmonary	62		
32	Pyrexia of Unknown Origin (PUO)	25	-	-
33	Food poisoning	17	-	-
34	Septic arthritis	09	-	-
35	Kala azar	08	-	-
36	DHF/DF	06	-	-
37	Malaria	05	-	-
38	Meningococcal septicemia	03	3	1.56
39	Disseminated Nocardiosis	01	-	-
40	Cutaneous Anthrax	01	-	-

Disease Profile of Children (Age 1 month to 12 Years)

IV. Nervous System

41	Febrile Convulsion	201	-	-
43	Meningitis	152	16	8.33
43	Encephalitis	144	28	14.5
44	Epilepsy & other Seizure Disorders	62	-	-
45	CP with Seizure Disorder	39	02	1
46	GBS	27	02	1
47	Status epilepticus	25	03	1.5
48	ICSOL	23	-	-
49	Transverse Myelitis	21	-	-
50	SSPE	21	-	-
51	ADEM	18	-	-
52	HCR	18	-	-
53	Acute Stroke Syndrome	16	-	-
54	TBM	15	09	4.7
55	Neurodegenerative & Neurometabolic Diseases	15	-	-
56	DMD	15	01	0.5
57	Brain Abscess	14	-	-
58	Cerebellar Ataxia	13	-	-
59	Hydrocephalous	10	-	-
60	Spinal Muscular Atrophy	08	-	-
61	Spinal cord tumor	02	-	-
62	DPT Encephalopathy	01	-	-
63	HHE	01	-	-
64	Myasthenia Gravis	01	-	-
65	Gluteric Acidemia Type - I	01	-	-

V. Cardiovascular System

66	Congenital Heart Diseases VSD, ASD, PDA, TOF	29	06	3.1
67	Heart Failure (HF)			
	Pneumonia with HF	17	07	3.6
	Anaemic HF	12	-	-
	Down's Syndrome with pneumonia with HF	05	-	-
68	Rheumatic fever with carditis	04	-	-
69	Cardiogenic Shock	03	-	-
70	Viral Myocarditis	02	01	0.5
71	Pericardial Effusion	01	-	-

VI. Nutritional Diseases

72	Severe Acute Malnutrition (SAM)	121	22	11.45
73	Rickets	14	-	-
74	Scurvy	05	-	-

Disease Profile of Children (Age 1 Month to 12 Years)

VII. Haematology and Oncology

75	Thalassemia	120	-	-
76	Acute Lymphoblastic Leukaemia (ALL)	85	03	1.5
77	Haemophilia	48	-	-
78	Aplastic anaemia	40	05	2.6
79	Other haemolytic anaemia	30	01	0.5
80	Hodgkin Disease	23	01	0.5
81	Acute Myeloid leukaemia (AML)	20	01	0.5
82	Non Hodgkin Lymphoma	16	04	2
83	ITP	12	-	-
84	Neuroblastoma	02	-	-
85	Cong. Spherocytosis	02	-	-
86	VonWillibrand Disease	02	-	-
87	Juvenile CML	02	-	-
88	Wilm's Tumour	01	-	-
89	Hereditary telangiectasia	01	-	-
90	Histiocytosis X	01	-	-
91	Glucose 6 phosphate dehydrogenase deficiency	01	-	-

VIII. Renal System

92	Nephrotic syndrome	132	05	2.6
93	Acute glomerulonephritis	76	03	1.5
94	UTI	09	-	-
95	Acute renal failure	02	-	-

IX. Connective Tissue Diseases

96	JIA	17	-	-
97	Henoch Schonlen Purpura	11	-	-
98	Rheumatic Fever	08	-	-
99	SLE	05	-	-
100	Reactive arthritis	02	-	-

X. Poisoning & Accidents

101	Kerosene Poisoning	183	-	-
102	OPC & other insecticides	35	02	1
103	Near drowning/Drowning	32	-	-
104	Others poisoning	31	01	0.5
105	Glass Cleaner Poisoning	27	-	-
106	Snake bite	24	-	-
107	Tarpin oil Poisoning	22	-	-
108	Benzodiazepine & other drugs	17	-	-
109	Corrosive Poisoning	08	-	-
110	Mosquito Coil Poisoning	05	-	-
111	Super glue Poisoning	02	-	-
112	Electric Shock	02	-	-

Disease Profile of Children (Age 1 month to 12 Years)

XI. Endocrine

113	Hypothyroidism	11	-	-
114	Addison's Disease	01	-	-

XII. Miscellaneous

115	Stevens Johnson Syndrome	22	-	-
116	Urticaria, Angio- Oedema	15	-	-
117	Down's Syndrome	12	-	-



Duty Doctors



Nursing Staff of Ward 11 & 12

Out Patient Department

Staffing Pattern

Name of the Post	Number	Name of the Staff (s)
Resident Physician	1	Dr. Ariful Islam
Medical Officer	2	Dr. Shabnom Kabir Dr. Shahida Akter
Sister-in-Charge	3	Ms. Nasrin Sultana (POPD) Ms. Rokeya Begum (BFC) Ms. Reshma Begum (ORT)

Turnover of Outdoor Patients

Month	Newly Enrolled Patients	Patients for Follow up	Total Patients
January	4855	661	5516
February	4109	993	5102
March	5010	1258	6268
April	4700	1098	5798
May	4569	899	5468
June	5870	1325	7195
July	6987	1547	8534
August	5128	978	6106
September	3995	897	4892
October	3854	731	4585
November	5198	965	6163
December	3388	698	4086
Total =			69713

Out Patient Department

Outdoor Specialty Services

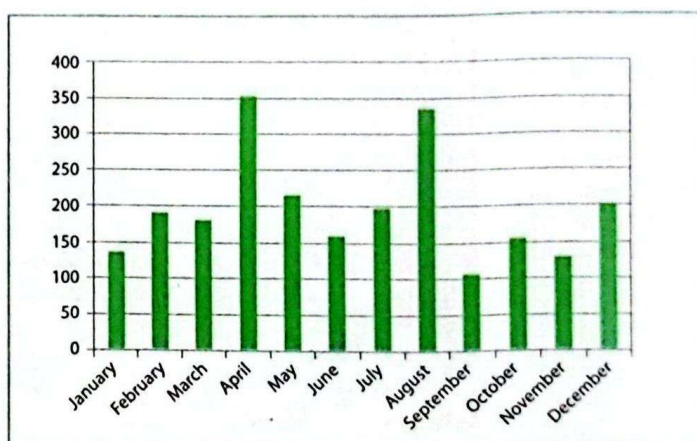
Day	Time	Specialty clinic	Consultant(s)
Saturday & Tuesday	12.00-2.30	Pediatric Nephrology	Dr. Shireen Afroz Dr. Laila Yasmin Dr. L C Kundu
Sunday	9.30-11.30	Pediatric Neurology	Prof. M Ekhlashur Rahman Dr. Narayan Saha
Monday	12.30-2.30	Asthma Clinic	Dr. Sayeeda Anwar Dr. A K M Matior Rahman Dr. Sk. Azimul Hoque
Tuesday	12.30-2.30	Pediatric Hematology & Oncology	Prof. Lutful Ehsan Fatmi Dr. Amirul Morshed Khasru
Wednesday	9.30-11.30	Pediatric Neurology	Dr. Narayan Saha Dr. A Matin
Thursday	12.30-2.30	Breast Feeding, Nutrition Clinic	Dr. Mainuddin Ahmed Dr. Manisha Banerjee
Everyday	12.30-2.30	Neonatology	Prof. Md. Abid Hossain Mollah Dr. Manisha Banerjee Dr. Tafazzal Hossain Khan Dr. Shishir Ranjan Das

Outpatient Department



ORT Corner

Month	No Dehydration	Some Dehydration	Severe Dehydration	Total
January	133	02	-	135
February	188	02	-	190
March	176	03	-	179
April	349	02	01	352
May	212	02	-	214
June	155	02	-	157
July	193	03	-	196
August	329	04	01	334
September	103	02	-	105
October	152	02	-	154
November	125	03	-	128
December	198	01	-	199
Total	2313	28	02	2343



EPI Centre

Month	TT (Pregnant woman)	TT (15-45 yr)	BCG	Penta	OPV	Measles	Vit A
January	45	96	50	138	170	33	33
February	41	60	54	96	108	10	10
March	45	106	38	112	164	52	52
April	50	81	49	86	112	36	36
May	84	107	49	95	134	39	39
June	77	86	37	95	147	52	52
July	50	80	47	105	171	65	65
August	88	77	40	123	161	38	38
September	83	60	33	70	115	45	45
October	56	107	50	144	179	34	34
November	59	64	60	121	149	28	28
December	60	89	29	134	159	23	23
Total	753	1033	536	1361	1817	454	454

Special activities 2010

		Date	Activities	No of children
18 th NID	1 st round	10.01.2010	OPV Vit A Anti Helminth	523 343 258
Measles Campaign 2010	2 nd round	14.02.2010 - 28.02.2010	Measles OPV	655 864
Vit A plus Campaign 2010		29.05.2010	Vit A Anti Helminth	223 186



Child Neurology Clinic

Patient Profile

SL No.	Disease	Total No. of Patients
1	Epilepsy	404
2	Cerebral Palsy	101
3	Developmental Delay	65
4	Headache	38
5	Stroke	22
6	Speech Delay	20
7	Post encephalitic sequele	17
8	Mental retardation	17
9	Myopathy	14
10	ADHD	13
11	Down's syndrome	13
12	Mitochondrial disorder	12
13	Neurometabolic disorder	10
14	Post Meningitis Sequelae	9
15	Cerebellar Ataxia	8
16	Behavioral disorder	7
17	TBM	6
18	HCR	6
19	DMD	6
20	GBS	6
21	DBD	6
22	Tuberous sclerosis	5
23	Bell's palsy	4
24	Wilson's disease	4
25	SSPE	4
26	ASD	4
27	ADEM	3
28	BHA	3
29	Hydrocephalus	2
30	Head injury	2
31	SMA	2
32	Toorticolis	1
33	CPS	1

Total patients = 835

Shishu Bikash Kendro

Government of Peoples Republic of Bangladesh had decided to establish Shishu Bikash Kendro in 14 medical college hospitals within 2008-2011. Of them five (Dhaka Medical College Hospital, Sir Salimullah Medical College Mitford Hospital, Shahid Suhrawardy Medical College Hospital, Sher-e-Bangla Medical College Hospital, Barisal, Sylhet M A G Osmani Medical College) have been established in 2008-2009.

Our Shishu Bikash Kendro is situated with the pediatric out patient department in the ground floor of out door building.

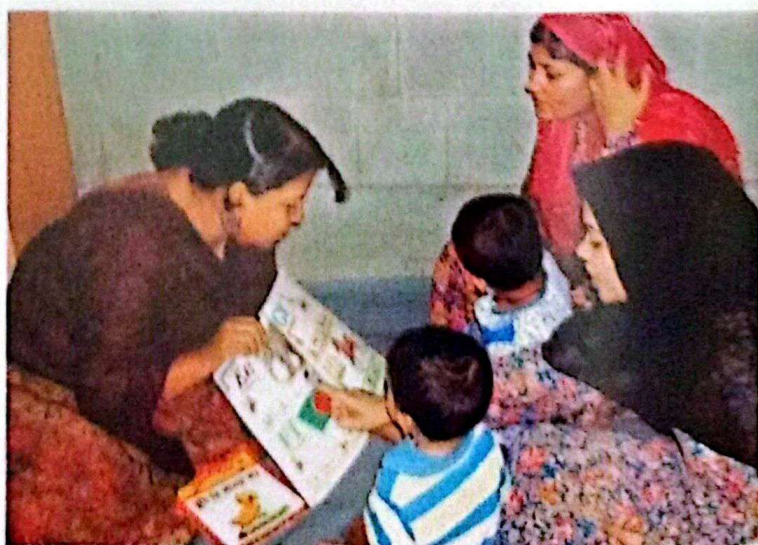
Staffing Pattern

Physician	Dr. Toshiba Rahman
Clinical psychologist	Afroza Begum
Developmental Therapist	Rumana Mahfuz
Office manager	Farhata Sultana
Cleaner	Mohammad Masud

SL No.	Disease	Total No. of Patients
1	Developmental Delay	330
2	Epilepsy	270
3	Cerebral Palsy	141
4	Speech Delay	61
5	ASD	36
6	Learning difficulties	32
7	Down's syndrome	30
8	Behavioral disorder	29
9	Post encephalitic sequele	17
10	Post Meningitis Sequelae	15
11	Neurodegenerative disease	12
12	MR	10
13	Fragile X syndrome	8
14	Stroke	6
15	Neurometabolic disease	5
16	ADHD	4
17	Headache	3
18	Torticollis	3
19	Leukodystrophy	3
20	Mental health	2
21	DMD	2
22	Myopathy	2
23	SMA	1

Total patients = 1,016

Activities at Shishu Bikash Kendro



Clinical and Academic Activities

Clinical and Academic Activities

In our department activities like patient care, clinical and academic activities go on side by side like any other department of medical colleges. For better care responsibilities of all admitted patients are divided into three units. Admission in these units goes on like 2 days for each unit and Friday on rotation. On admission day corresponding unit is responsible for all newly admitted pt's care as well as previous patients and also attending caesarian OT on call, any referral from other departments and any short of emergency situation arises since 8am to next 8am.

Morning Session-

The day begins in our department with 1 hr discussion involving all doctors working here from professors up to interns sitting together in ward side classroom. The morning session days are divided as -

- 3 days- Monday for unit - I, Tuesday for unit - II, Wednesday for unit - III.
- Thursday and Saturday for -presentation of seminar, clinical meeting, journal club presentation of articles on recent advancement of medical sciences-as per prefixed schedule.
- On Sunday - here is fixed central clinical meeting - where all doctors & students participates and it take place in Lecture Gallery - I.

So, discussion on every morning regarding previous days activities like admission, death, or any important occurrence or new events needs to solve are discussed.

In the journal club, recent articles from national and international medical journals are discussed by our trainee doctors which helps us to adjust our situation and update management as well as help us to prepare for new research activities .

Seminar occurs on specially selected topics for update knowledge by gathering information by two speakers among the trainee doctors.

Clinical meetings take place with selected cases which are interesting and also important for post graduation examinations.

Grand Round takes place once on every Monday at 12:00 noon where complicated cases with academic interest are discussed at length.

Besides all these events, death review takes place once in a month (on 2nd Sunday) at 12 pm, where all death cases are discussed. This helps us to find out any shortcomings ,or what better could be done for the departed souls ,and give chance to clarify any confession in us. Others experiences enrich our knowledge.

All these presentations are power point presentations with the help of our own departmental technical support - laptop computer, projector some of which are presented by our honorable teachers.



Grand Round takes place once on every Monday at 12:00 noon

Morning Session



Seminars

Sl. No.	Date	Topic	Presenter
1.	16.01.2010	Blood & Blood Product therapy in Neonate and children	Dr. Mehdi Pervez Dr. Mizanur Rahma
2.	30.01.2010	Role of Imaging in Pediatrics	Dr. Saleh Md. Hasibul Hasan Dr. Qamrun
3.	13.02.2010	IDM	Dr. Laisha Yeasmin Liza Dr. Labiba Hossainy
4.	27.03..2010	Birth Injury	Dr. Shoma Dr. Rukhsana
5.	10.04.2010	Short Stature	Dr. Zannat Dr. Tanjirul
6.	24.04.2010	Review of Nephrotic Syndrome	Dr. Faeqa Dr. Merazul
7.	08.05.2010	AGN	Dr. Somita Rani Sarker Dr. Afroza
8.	22.05.2010	Acute Disseminated Encephalomyelitis	Dr. Gouri Saha Dr. Mamun
9.	05.06.2010	Juvenile Idiopathic Arthritis	Dr. Tahmina Dr. Habib
10.	19.06.2010	Respiratory Distress Syndrome	Dr. Rumana Pervin Dr. May May
11.	03.07.2010	Scurvy	Dr. Tajkia Dr. Md. Mohsin
12.	17.07.2010	Portal Hypertension	Dr. Mumtahina Setu Dr. Mamun
13.	27.11.2010	Shock	Dr. Simi Dr. Zubaida Parvin
14.	18.12.2010	Recent immunization practice in Bangladesh	Dr Asma Akhter Dr. Lubaba Shahrin

Central Clinico-Pathological Meeting

Date	Topic	Presenter
26.01.2010	Ketogenic diet	Dr. Farhana Afroz
11.04.2010	SSPE	Dr. Mehdi Pervez
24.06.2010	Disseminated Nocardiosis	Dr. Nusrat Shams
18.12.2010	Neonatal Hyperbilirubinaemia	Dr. Abu Sadat Md Saleh

Grand Round

Date	Topic	Presenter
04.01.2010	Glycogen storage disease	Dr. Mohammad Mohsin
15.02.2010	Histiocytosis (Non Langerhans type)	Dr. Zobaida Parvin
22.03.2010	CLD with Known case of Hemophilia	Dr. Mahbuba Jahan
09.02.2010	Nephroblastoma	Dr. Mohammad Yeasin
11.02.2010	Preterm LBW with Perinatal Asphyxia with Neonatal Sepsis with Neonatal Jaundice with suspected NEC	Dr. Rumana Parveen
13.04.2010	Intestinal Tuberculosis	Dr. Khondaker Zahirul Hasan
29.04.2010	VonWillebrand disease	Dr. Jugindra Singha
27.05.2010	Chronic ITP	Dr. Laisha Yeasmin Liza
31.05.2010	Post vaccination GBS	Dr. Nazmul Haque
21.06.2010	Congenital hypothyroidism with neonatal jaundice	Dr. Zahurul Haque Sagar
13.07.2010	Gluteric acidemia - type-1	Dr. Mohammad Yeasin

Clinical Meeting

Date	Topic	Presenter
07.01.2010	TOF with PDA	Dr. Mizan Rahman
12.01.2010	Hereditary Hemolytic Anemia due to Glucose 6 phosphate dehydrogenase deficiency	Dr. Tanjirul Islam
18.01.2010	Pre-term Low birth weight with Aspiration pneumonia with Septicemia	Dr. Laisha Yeasmin Liza
28.01.2010	NHL	Dr. Gouri Saha
02.02.2010	Infection associated Hemophagocytic Syndrome	Dr. Jobaida Parvin
04.02.2010	Kala-azar	Dr. A S M Hasibul Hasan
18.02.10	Wilson's Disease	Dr. Golam Sadik Mamun
25.02.2010	Non-Hodgkin Lymphoma	Dr. Bidoura Sharmin
01.04.2010	Acute Myeloid Leukaemia	Dr. Sharmin Akter
15.04.2010	Neonatal Jaundice due to ABO Incompatibility.	Dr. Tohmina Yasmin
22.04.2010	A 8 months old boy with Developmental regression & Spasticity	Dr. Mumtahina Setu
20.05.2010	ADEM	Dr. Gouri Saha
01.07.10	Henoch Schonlein Purpura	Dr. Rifat Zaman
08.07.2010	Chronic Immune Thrombocytopenic Purpura (Chronic ITP)	Dr. A S M Hasibul Hasan
22.07.2010	Meningomyelocele	Dr. Jamal Uddin
12.08.2010	Severe acute malnutrition with Dermatositis	Dr. Nilufa Parvin
19.08.2010	Myasthenia gravis (general) with Myasthenic crisis	Dr. Zakia Sultana
02.09.2010	Brain Abscess with TOF	Dr. Tahera Begum Chisty
16.09.2010	Cutaneous Anthrax	Dr. Mubina Ahmed Ruba
30.09.2010	KALA-AZAR	Dr. Ismat Jahan Shimi
14.10.2010	Systemic Lupus Erythematosus	Dr. Mahmudul Hoq Chowdhury
25.10.2010	Non Hodgkin Lymphoma	Dr. Dipa Saha
09.12.2010	Right sided massive pleural effusion due to Tuberculosis.	Dr. Rafia Rashid
23.12.2010	Idiopathic lobular panniculitis (Weber Christian disease)	Dr. Mashura Musharraf

Journal

Date	Topic	Presenter
02.01.2010	Skin-to-Skin Contact and/or Oral 25% Dextrose for Procedural Pain Relief for Term Newborn Infants	Dr. Sharmin Kamrun
09.01.2010	Acute otitis media in the first two months of life: characteristics and diagnostic difficulties	Dr. Ramzan Ali
09.01.2010	Hearing Impairment in Childhood Bacterial Meningitis Is Little Relieved by Dexamethasone or Glycerol	Dr. Farzana Mitu
23.1.2010	Prophylactic Ranitidine in Prevention of GI Bleeding in Neonatal Intensive Care Units	Dr. Yasmin Akter
6.02.2010	Bedside detection of low systemic flow in the very low birth weight infant on day 1 of life.	Dr. Gule Tajkia
06.02.2010	Prophylactic oral nystatin for preterm babies under 33 wks gestation decrease fungal colonization	Dr. Zinnat
06.03.2010	Magnesium Sulfate in Severe Perinatal Asphyxia: A Randomized, Placebo-Controlled Trial	Dr. Rumana Parveen
06.03.2010	Clinical presentation of juvenile idiopathic arthritis in Bangladesh: Experience from a tertiary hospital	Dr. May May
13.03.2010	Impact of Labor on Outcomes in Transient Tachypnea of the Newborn: Population-Based Study	Dr. Sharmin Akter
13.03.2010	Glucose infusions into peripheral veins in the management of neonatal hypoglycemia- 20% instead of 15%?	Dr. Sadik Mamun
20.03.2010	Effect of delay in analysis on neonatal cerebrospinal fluid parameters.	Dr. Md Tanzirul Islam
20.03.2010	Effect of Albumin Administration Prior to Exchange Transfusion in Term Neonates with Hyperbilirubinemia	Dr. Jannatul Ferdous
03.04.2010	Antenatal corticosteroids and neonatal outcomes according to gestational age	Dr. Tasnuva Khan
17.04.2010	Aripiprazole in the treatment of irritability in children and adolescents with Autistic disorder.	Dr. Joyshree Das
17.04.2010	Management of bronchiolitis with out antibiotics: a multicentre randomized Control trial in Bangladesh	Dr. Mehdi Pervez
15.05.2010	Nosocomial infection and NICU	Dr. Tohmima
15.05.2010	Phenobarbitone for Prevention and Treatment of Unconjugated Hyperbilirubinemia in Preterm Neonates: A Systematic Review and Meta-analysis	Dr. Ramzan Ali
12.06.2010	Performance of the preliminary definition of improvement in juvenile idiopathic arthritis patients treated with methotrexate: experience from Bangladesh	Dr. Farzana

Journal

Date	Topic	Presenter
26.06.2010	Defining the reference range for oxygen saturation for infants after birth.	Dr. Kamrun Nahar
26.06.2010	Measurement of the Urinary Lactate/Creatine ratio for Early Diagnosis of the Hypoxic-Ischemic Encephalopathy in Newborns	Dr. Ala Uddin
10.07.2010	Effect of high initial dose of L thyroxin on thyroid function and somatic growth	Dr. Mamun
24.07.2010	Infants with a thumb-in-fist posture	Dr. Ala Uddin
24.07.2010	Vit D deficiency in child in renal disease	Dr. Zinnat
21.08.2010	Duration of Illness in Infants with Bronchiolitis Evaluated in the Emergency Department	Dr. Jobaida Parvin
04.09.2010	Haemodynamic changes after delivery room surfactant administration to LBW infants.	Dr. Afreen
04.09.2010	Cerebral tissue oxygen saturation and extraction in preterm infants before and after blood transfusion	Dr. Dilruba Afroz
11.09.2010	Timing of Solid Food Introduction and Risk of Obesity in Preschool-Aged Children	Dr. Nilufa Parvin
18.09.2010	Determination of Risk Factors of Neonatal Pneumonia	Dr. Audity
18.09.2010	Non-urgent caesarean Delivery increases the need for ventilation at Birth in term Newborn Infants	Dr. Sadia Khan
02.10.2010	Noninvasive Continuous Positive Airway Pressure in Acute Respiratory Failure: Helmet Versus Facial Mask	Dr. Mashura Musharraf
02.10.2010	Evaluation of Latex Agglutination Test (KAtex) for Early Diagnosis of Kala-azar	Dr. Md. Salim Mridha
16.10.2010	Congenital Hypothyroidism is Not Always Permanent	Dr. Rafayatul Haider
16.10.2010	Intravenous Adrenaline for Shock in Neonates	Dr. Mahbuba Jahan Sharmin
30.10.2010	Familial factors do not confound the association between birth weight and childhood asthma.	Dr. Sharika Nuzhat
30.10.2010	Long-term Outcomes of Acute Encephalitis in Childhood	Dr. Mashura Musharraf
06.11.2010	Comparison of Ready-to-Use Therapeutic Food with Cereal Legume-based Khichri Among Malnourished Children	Dr. Mehdi Pervez
06.11.2010	Role of hypertonic saline and mannitol in the management of raised intracranial pressure in children	Dr. Dipa Saha
13.11.2010	Effect of Albumin Administration in Term Neonate with Hyperbilirubinemia.	Dr. Md Jamal Uddin
13.11.2010	Reactive Thrombocytosis in Febrile Young Infants with Serious Bacterial Infection	Dr. Tania Sharmin

Journal

Date	Topic	Presenter
04.12.2010	Correlation between Sepsis Score and Blood Culture Report in Neonatal Septicaemia.	Dr. Ala Uddin
04.12.2010	LDH Concentration in Nasal-Wash Fluid as a Biochemical Predictor of Bronchiolitis Severity.	Dr. Rumana Parveen
11.12.2010	Urinary copper/zinc ratio: a promising parameter for replacement of 24-hour urinary copper excretion for diagnosis of Wilson's disease in children .	Dr. Lubaba Shahrin
11.12.2010	Use of Rifampin in persistent coagulase negative staphylococcal bacteremia in neonates	Dr. Tasnuva Khan



Digital Library : Students are using Internet

Death review

Date	Unit	Presenter
January	I	Dr. Farzana Abedin
	II	Dr. Ramzan
	III	Dr. Aaman
	SCABU	Dr. Mumtahina Setu
February	I	Dr. Rumana Pervin
	II	Dr. Zinnatunnesa
	III	Dr. Saleh Md. Hasibul Hasan
	SCABU	Dr. Belayet Hossain
March	I	Dr. Laisha Yeasmin
	II	Dr. Gouri Saha
	III	Dr. Zakia Sultana
	SCABU	Dr. Alauddin
April	I	Dr. Mahbuba Rahman
	II	Dr. Navila Ferdous
	III	Dr. Habibur Rahman
	SCABU	Dr. Joyshree Das
May	I	Dr. Zakia Sultana
	II	Dr. Rumana Parveen
	III	Dr. Tohmina Yasmin
	SCABU	Dr. Ala Uddin
June	I	Dr. Zinnatunnassa
	II	Dr. Mehdi Pervez
	III	Dr. Navila Ferdous
	SCABU	Dr. Kamrun Nahar
July	I	Dr. Ala Uddin
	II	Dr. Somita Rani Sarker
	III	Dr. Nazneen
	SCABU	Dr. Laisha Yeasmin
August	I	Dr. Gule Tajkia
	II	Dr. Asma Akhter
	III	Dr. Jamal Uddin
	SCABU	Dr. Audity
September	I	Dr. Somita Rani Sarker
	II	Dr. Rumana Parveen
	III	Dr. Tasnuva Khan
	SCABU	Dr. Wahida Nargis
October	I	Dr. Tania Sharmin
	II	Dr. Sharika Nuzhat
	III	Dr. Labiba Hossainy
	SCABU	Dr. Chowdhury Md. Fuad Galib
November	I	Dr. Zakia Sultana
	II	Dr. Mashura Musharraf
	III	Dr. Sumitra Mazumder
	SCABU	Dr. Tasnuva Khan
December	I	Dr. Dilruba Afroz
	II	Dr. Dilara Begum
	III	Dr. Rafia Rashid
	SCABU	Dr. Tareq Imtiaz

Treatment Protocols
Used in the Pediatric Hematology and Oncology
Department for Management of common
Hemato-Oncological problems

• Treatment of Hodgkin Diseases	54
• Treatment of Non-Hodgkin Lymphoma	54
• Treatment of Acute Lymphoblastic Leukemia standard-risk (MRC XI)	56
• Treatment of Acute Myeloblastic Leukemia (except AML- M3 and AML of Trisomy 21) (MRC X).	58
• Treatment of Aplastic Anemia	59
• Treatment of Wilm's Tumor	59

Treatment of Hodgkin Disease

Treatment of Hodgkin's Diseases (HD) in children usually consist of combined modality of treatment which consist of chemotherapy and low dose (20-25 Gy) involved field radiotherapy. Standard chemotherapy in HD is six cycles of ABVD or 6 cycles of alternating COPP and ABVD has cure rate up to 90%.

ABVD:

Drug	Dose	Route	Duration
Doxorubicin (Adriamycin)	25 mg/m ²	IV	Day 1, 15
Bleomycin	10 units /m ²	IV	Day 1, 15
Vinblastine (Velban)	6 mg/ m ²	IV	Day 1, 15
Dacarbazine (DTIC)	375 mg/m ²	IV	Day 1, 15

COPP

Drug	Dose	Route	Duration
Cyclophosphamide	500-600 mg/m ²	IV	Day 1, 8
Vincristine	1.5 mg/m ²	IV	Day 1, 8
Procarbazine	100 mg/m ²	PO	Day 1, 14
Prednisone	40 mg/m ²	PO	Day 1, 14

Repeat every 28 days. Total 6-8 cycles are given.

Treatment of Non-Hodgkin Lymphoma

Treatment groups can be divided into the following categories :

1. Localized (stage I and II) lymphoblastic lymphoma (LL)
2. Advanced lymphoblastic lymphoma (stage III and IV)
3. Localized B-lineage NHL BL, BLL and DLCL
4. Intermediate risk
5. BL, BLL, DLCL with CNS involvement or Bone marrow with 25% lymphoblasts
6. Large-cell anaplastic NHL

I) Treatment of Localized BL, BLL and DLCL

- i) Surgery of stage I and abdominal stage II
- ii) Two courses of COPAD, 21 days intervals.

COPAD

Drug	Dose	Route	Duration
Cyclophosphamide	250 mg/m ² / day	IV 12 hrly	Day 1 - 3
Vincristine	2mg/m ² / day	IV flush	Day 1 and 6
Doxorubicin	60 mg /m ² /day	IV over 1 hr	Day 1
Prednisone	60 mg/m ² /day	PO divided doses	Day 1 - 6

ii) Treatment of advanced-stage BL, BLL, DLCL (LMB-96)

Reduction phase

COP: (1-7 days)

Drug	Dose	Route	Duration
Cyclophosphamide	300 mg/m ² /day	IV (over 15min)	Day 1
Vincristine	1 mg/m ² /day	IV flush	Day 1
Prednisone	60 mg/m ² /day	PO divided doses	Day 1 - 7
IT	Age adjusted MTX HC	Intrathecal	Days 1

Induction: 2 courses of COPADM should be started on day 8.

COPADM 1

Drug	Dose	Route	Duration
MTX (High dose)	3 gm/m ²	IV over 4 hours	Day 1
Cyclophosphamide	250 mg/m ² / day	IV 12 hrly	Days 2 - 4
Mesna	500mg/m ² / day	3 divided doses (3,6,9 hrs)	Days 2 - 4
Vincristine	2 mg/m ² / day	IV flush	Day 1
Prednisone	60 mg/m ² /day	PO divided doses	Day 1 - 5
Doxorubicin (Adriamycin)	60 mg/m ² /day	IV over 1 hr	Day 2
IT	Age adjusted MTX, HC	Intrathecal	Days 2, 6
Folinic acid	15mg/m ² /day	PO, 6 hrly	Day 2 - 4
G-CSF	5µgm/kg/day	SC	Day 7 untill ANC> 3000/cm

COPADM 2 (Begin when ANC>1000/cmm, Platelet>1lac/cmm), CPM Dose 500mg/ m² /dose iv 12 hourly (total 6 dose)

CYME 1 and 2 (Begin when ANC>1000/cmm, Platelet>1lac/cmm)

Drug	Dose	Route	Duration
Cytarabine	100mg/m ² /day	IV infusion 12 hrly	Day 2-6
IT	Age adjusted MTX, HC	Intrathecal	Day 2
High dose MTX	3g/m ² /day	IV over 3 hrs	Day 1
Folinic Acid	15mg/m ² /day	PO, 6 hrly	Days 2-4
G-CSF	5micro gm/kg/day	SC	day 7 untill ANC> 3000/cmm

Maintenance therapy (Total 4 courses)

Maintenance 1 (Maintenance 3 same as 1 except absence of TIT and HD-MTX)

Drug	Dose	Route	Duration
Vincristine	2 mg/m ² / day	IV flush	Day 1
High dose MTX	5-8g/m ² /day	IV over 4 hrs	Day 1
Folinic acid	15mg/m ² /day	PO, 6 hrly	Total 12 doses
Triple IT	Age adjusted MTX, HC and Cytarabine	Intrathecal	Day 2
Cyclophosphamide	500 mg/m ² /day	IV over 30 min	Days 2 - 3
Mesna	500mg/m ² /day	3divided doses (3,6,9 hrs)	Days 2 - 4
Doxorubicin (Adriamycin)	60 mg/m ² /day	IV over 1 hr	Day 2
Prednisolone	60 mg/m ² /day	PO divided doses	Day 1 - 5

Maintenance 2 and 4

Drug	Dose	Route	Duration
Cytarabin	50mg/ m ² / 12 hourly	IV	Day 1-4
Etoposide	150mg/ m ² /day	IV over 90 minutes	Day 1-3

BL=B-lineage NHL, BLL= Burkitt-like lymphoma, DLCL= Diffuse Large Cell Lymphoma. MB=Lymphome Malins de Burkitt. G-CSF= Granulocytes Colony Stimulating Factor. ANC= Absolute Neutrophil Count

Chemotherapy schedule for NHL (Thoracic): BFM-90 (2 months)

Drug	Dose	Route	Duration
Prednisolone	60 mg/m ² /day	PO divided doses	Day 1 - 28
Triple IT	Age adjusted MTX, HC and Cytarabine	Intrathecal	Days 8, 15,29,45,59
Vincristine	1.5 mg/m ² / day	IV flush	Days 8,15,22,29
Daunorubicin	30 mg/m ² /day	IV over 1 hr	Days 8,15,22,29
L-asparaginase	10000 IU/m ²	IV over 1 hr / Im	Days 12,15,18,21,24,27,30,33
Cyclophosphamide	1000 mg/m ² / day	IV over 1 hr	Days 36, 64
Cytarabine	75mg/m ² /day	IV in 100 ml saline	Days 38-41, 45-48, 52-55, 59-62

Re-induction for 48 days

Maintenance

Drug	Dose	Route
Mercaptopurine	50mg/m ² /day	PO daily
Methotrexate	20mg/m ² / day	PO weekly

Total duration of treatment : 2 years

Treatment of Acute Lymphoblastic Leukemia - standard-risk (MRC XI)

Treatment of consists of

- Chemotherapy
- Radiotherapy
- Immunotherapy
- Bone marrow Transplantation

Chemotherapy

- Induction: 28 days
- Intensification 5 days- 2 courses (Early & late)
- High dose Methotrexate: 2-3 high dose
- Maintenance
- Total duration of treatment: 2.5 to 3 years.

Induction of Remission

Drug	Dose	Route	Duration
Allopurinol	10 mg/kg/day	PO	Start 24 hours before chemotherapy for 5 days.
Vincristine	1.5 mg/m ² / day	IV flush	Weekly for 4 wks
L-asparaginase	6000 IU/m ² /day	IM	alternate day, start from day 2 =Total 9 doses
Triple IT	Age adjusted MTX, HC and Cytarabine*	Intrathecal	Weekly for 4 wks
Daunorubicin	45 mg/m ² /day	IV over 1 hr	Day 1 and 2
Prednisolone	40 mg/m ² /day	PO divided doses	Day 1 - 28

Intensification (Early and late)

Drug	Dose	Route	Duration
Triple IT	Age adjusted MTX, HC and Cytarabine	Intrathecal	Day 1
Vincristine	1.5 mg/m ² / day	IV flush	Day 1
Daunorubicin	45 mg/m ² /day	IV over 1 hr	Day 1 and 2
Etoposide	100 mg/m ² /day	IV over 1 hr	Day 1 - 5
Cytarabin	100 mg/m ² /day	IV over 1 hr - 12 hrly	Day 1 - 5
Thioguanine	80 mg/m ² /day	PO	Day 1 - 5
Prednisolone	40 mg/m ² /day	PO	Day 1 - 5

* TIT- MTX <2yrs: 8mg , 2yrs: 10mg , 3 years or more , 12mg + Hydrocortisone 25 mg+ Inj Cytarabin 30 mg

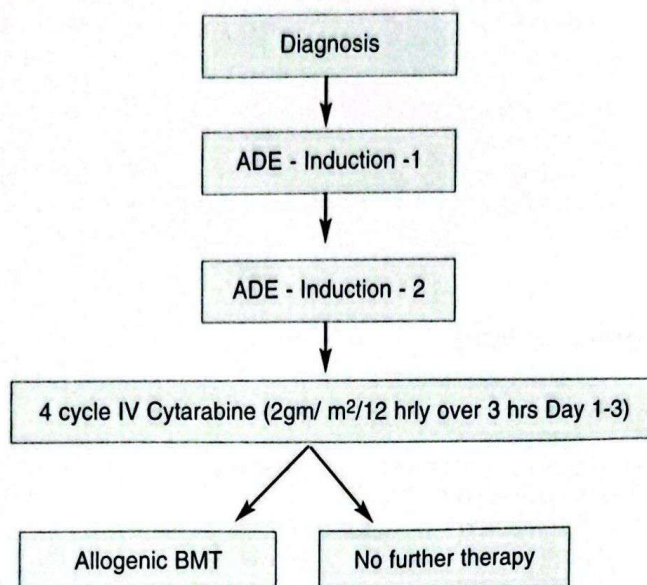
High dose Methotrexate

2.5 gm/m² IV in drip. 10% of total MTX in 1st hour and rest of MTX in 23 hours in 6 divided doses followed by Inj Folinic acid 15 mg/m² IV 6 hourly , Days 2-4

Maintenance

Drug	Dose	Route	Duration
Triple IT	Age adjusted MTX, HC and Cytarabine	Intrathecal	Every 3 month
Vincristine (VCR)	1.5 mg/m ² / day	IV flush	Monthly
Methotrexate	10-20 mg/m ² /weekly	PO	Day 8, 15, 22, 29 so on
Prednisolone	40 mg/m ² /day	PO	Day 1 - 5 after VCR
Cotrimoxazole	10 mg/m ² /day	PO 12 hourly	Every alternate day

Treatment of Acute Myeloblastic Leukemia (except AML- M3 and AML of Trisomy 21) (MRC X)



Course 1 ADE

Drug	Dose	Route	Duration
Daunorubicin	50 mg/m ² /day	IV over 1 hr	Day 1 - 3
Etoposide	100 mg/m ² /day	IV over 1 hr	Day 5 - 6
Cytarabin (Arac-C)	100 mg/m ² /day	IV over 1 hr - 12 hrly	Day 1 - 7

Course 2 ADE

Drug	Dose	Route	Duration
Daunorubicin	50 mg/m ² /day	IV over 1 hr	Day 1 - 3
Etoposide	100 mg/m ² /day	IV over 1 hr	Day 5 - 6
Cytarabin (Arac-C)	100 mg/m ² /day	IV over 1 hr - 12 hrly	Day 1 - 7

4 cycle IV Cytarabine

Drug	Dose	Route	Duration
Cytosine (Arac-C)	2g/m ² /day	IV over 3 hr	Day 1 - 3

Treatment of Aplastic Anemia

Drug	Dose	Route	Duration
Anti thymocytic Globulin (ATGAM)	20 mg/kg/Day	IV daily	Day 1 - 8
Methyl prednisolone	2mg/kg/day	IV over 1 hr	Day 1 - 8
G-CSF	5µ/kg/day	SC	Day 5 and continue till ANC >1000/cumm
Cyclosporine	10mg/kg/day	P.O BD	Day 1 till Transfusion Independent
Prednisolone	1.5mg/kg /day - 2days then 1.0mg/kg /day - 2days then 0.5mg/kg /day - 2days etc	P.O divided doses	Day 9 - 15

Treatment of Wilm's Tumor

Favorable histology (FH)

Type	Treatment	Duration
Stage I and II	Surgery + No Radiotherapy + AMD and VCR	18 weeks
Stage III and IV	Surgery + Radiotherapy + AMD ,VCR and ADR	24 weeks

Stage I and II: Surgery + No Radiotherapy + AMD and VCR = 18 weeks

Stage III and IV : Surgery + Radiotherapy + AMD ,VCR and ADR = 24 weeks

Unfavorable histology (UFH)

Type	Treatment	Duration
Stage I	Surgery + No Radiotherapy + AMD and VCR	18 weeks
Stage II, III and IV	Surgery + Radiotherapy + AMD ,VCR and ADR	24 weeks

ADM = Actinomycin D (45 µg/kg. IV), Vincristine (0.05mg/kg IV), ADR= Adriamycin (1.0 mg/kg IV)

Radiotherapy and drug doses are different in different schedule.

Undergraduate Medical Education

Lessons of pediatrics to MBBS students are given by lectures and clinical classes during their ward placement. These class schedules are prepared before their placement and notified in time.

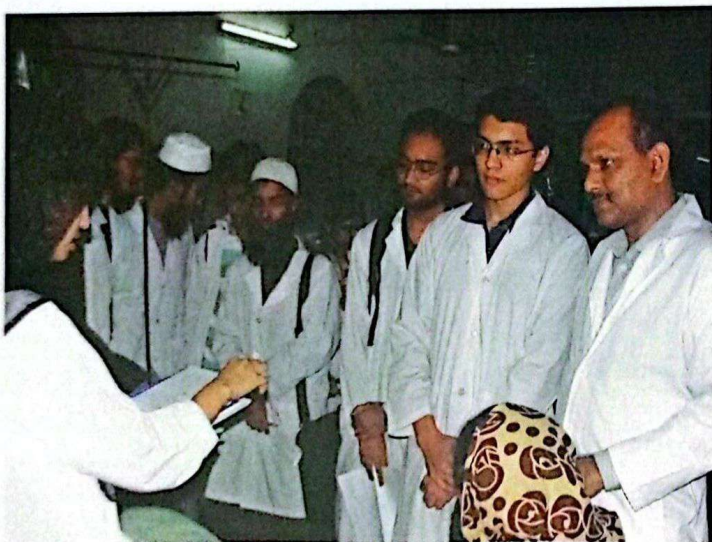
LECTURES:

Total 50 hrs of lecture classes scheduled over three clinical years (3rd, 4th, and 5th year).

3rd year - 4 hours, 4th year - 21 hours and 5th year - 25 hrs covering almost every aspects of pediatrics, common illnesses - including pathophysiology, clinical presentation, diagnosis and treatment.

WARD PLACEMENT:

Each batch is placed twice in the department - 4 wks in 3rd year and 6 wks in 5th year. Each day they spend 4 hrs in ward including sessions by senior teachers, by registrars, assistant registrars and also by post graduate students.



During 3rd year placement IMCI strategy is taught elaborately in small groups.

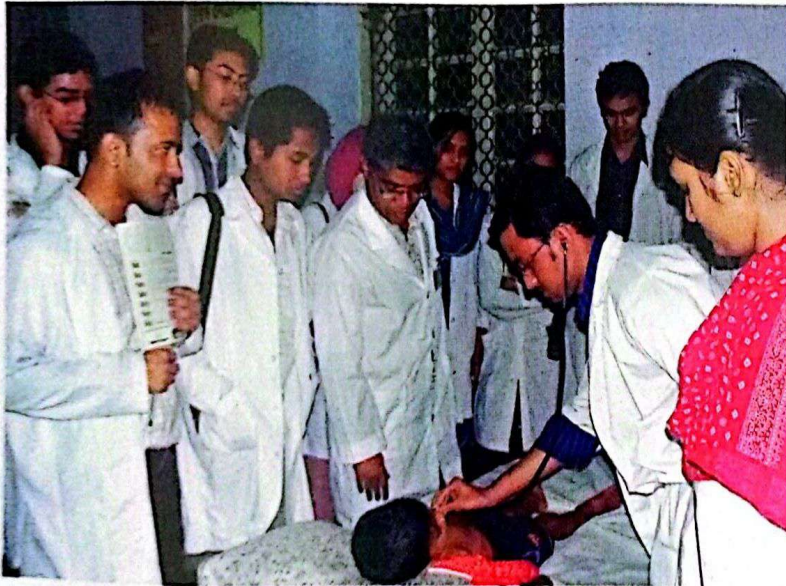
During 5th year placement students learn about history taking, clinical examination, management of common illness and also observe various clinical procedures like lumbar puncture, bone marrow aspiration, putting NG tube & IV canula, exchange transfusion etc.

Assessment:

It is done formatively, including -

3 rd year- ward ending OSCE	1	Total marks = 5
5 th year- Item examination	0.5	
ward ending OSCE	2	
Block posting	0.5	
Written assessment:	1	

Every exam is followed by feedback session, where achievement and drawbacks of each student is discussed. It also includes light refreshment for all.



Post Graduate Activities

In last year total trainee doctors were .Including assist registrar, medical officer and honorary medical officers. They all worked sincerely under supervision of senior teachers, post graduate other faculty members. They participated in patient management and as well as all academic activities along with their tough duty rosters in day and night on call.

Trainees are periodically evaluated by written and OSCE examinations.

Post graduate courses:

1 year diploma course and 3 year masters course (MD pediatrics) .Both these courses are under Dhaka University. As in every year 6 students got admitted in DCH course and 6 students in MD course. After completing part 1 in their MD course students are placed in the department for clinical attachment and training.

8 cards have been constructed with different topic in pediatrics. Formative assessment is taken periodically on the basis of these cards

During the ward placement, they attend the clinical classes arranged for them, participate in ward round, do schedule duty, present cases, arrange clinical meeting , journal club and seminars.

Other academic activities:

Post graduate students from different institutions are placed from time to time in our department . during 2010 FCPS, MD and DCH students from BSMMU, Dhaka Shishu Hospital, ICMH, and some others were placed for duration of 4 - 15 days. They are cordially taken care and are helped to the best of our knowledge.

Intern doctors are placed for 4 weeks each. This placement is the time for their practical hand on training. They also face a ward completion examination , at the end of 4 weeks and this mark is necessary for their internship completion.

Our doctors take part in different training programs, seminars, symposiums in this institute as well as in other institutes.

Postgraduate examination:

Our department is one of the centers for examination of FCPS part II and MCPS clinical examination in January and July. Also DCH & MD examinations under Dhaka University is held in our department



Prof. Nazmun Nahar had been conducting Clinical part of MD (Paed)
Final Examination

Undergraduate and post graduate activities

Sl. No.	Subject	Detail
1	Ward placement and OSCE	<p>3rd Year Batch K - 65, 66 A, B, C, D, E, F, G, H Group</p> <p>IMCI For each group- 1 ward ending OSCE</p> <p>5th Year Batch K - 63,64 A,B,C,D group</p> <p>For each group 1 item OSCE and 1 ward ending OSCE.</p>
2	Intern Doctors	4 weeks training
3	Post Graduates	MD (Pediatrics) FCPS (Pediatrics), DCH, MPH, MCH, FP
4	MCH & FP doctors	EOC Training on neonatal health
5	Post Graduate Placement	From BSMMU, BICH, ICMH



Post Graduates Teaching



Post Graduates Teaching



Published Papers

Sl. no	topic	Author	Journal
1.	Systemic nocardiosis: in a case of chronic granulomatous disease	Prof. M Ekhlashur Rahman, et al	Bangladesh J of Child Health
2.	Smokeless tobacco use and pregnancy outcome	Prof. M Ekhlashur Rahman, et al	Bangladesh J of Child Health
3.	Clinical profile of neonatal pneumonia	Prof. Md. Abid Hossain Mollah, et al	Mymensingh Medical Journal
4	Immunological response of Hepatitis b Vaccination among preterm and term children	Prof. Md. Abid Hossain Mollah, et al	Mymensingh Medical Journal
5	Efficacy of Salbutamol delivered by nebulizer versus Homemed non Valve Spacer in acute exacerbation of asthma in children	Prof. Md. Abid Hossain Mollah, et al	Mymensingh Medical Journal
6	Acute sixth nerve palsy and diplopia due to Hypervitaminosis A - A case report	Dr. Sayeeda Anwar, et al	Bangladesh J of Child Health
7	Clinical Profile and outcome of kerosene poisoning in children admitted in a tertiary care hospital.	Dr. Sayeeda Anwar, et al	Journal of Dhaka Medical College
8	Tuberculosis of the Central Nervous System	Dr. Narayan Chandra Saha, et al	Mymensingh Medical Journal
9	Efficacy of Pyridoxine in Early-Onset Idiopathic Intractable Seizures in Children.	Dr. Narayan Chandra Saha, et al	Indian J Pediatrics
10	Rasmussen's Encephalitis: Report of 2 cases.	Dr. Narayan Chandra Saha, et al	Journal of Dhaka Medical College
11	Determination of risk factors of Neonatal Pneumonia	Dr. Ahmed Murtaza Choudhury, et al	Mymensingh Medical Journal,
12	Typhoid fever in children : An update	Dr. A K M Matlur Rahman, et al	Journal of Dhaka Medical College
13	Impact of constipation in children on UTI	Dr. Sk. Azimul Hoque, et al	Bangladesh J of Child Health
14	Alteration of hepatic function: Helpful to diagnose and assess severity of Perinatal Asphyxia	Dr. Md. Tariqul Islam, et al	Bangladesh J of Child Health
15	Ataxia Talangectasia : A case report	Dr. Imnul Islam, et al	Journal of Dhaka Medical College

Presented Papers

Sl. no	Topic	Author	Symposium
13.	Acute poisoning in Pediatrics in Dhaka Medical College Hospital and outcome	Prof M Ekhlashur Rahman, et al	3 rd international Conference of Bangladesh Society of Emergency Medicine
14.	Clinical profiles of neonatal Pneumonia	Prof. Md. Abid Hossain Mollah, et al (Presented by Dr. Mehdi Pervez)	6 th National conference of Bangladesh Neonatal Forum
15.	Efficacy of phenobarbitone to prevent hyperbilirubinemia among preterm low birth weight babies - a randomized control trial	Prof. Md. Abid Hossain Mollah, et al (Presented by Dr. Laisha Yeasmin)	6 th National conference of Bangladesh Neonatal Forum
16.	A child with viral croup and its management updates	Prof. Md. Abid Hossain Mollah, et al	4 th National Conference of Bangladesh Lung Foundation
17	Aetio-pathogenesis and Clinical features of Anthrax	Prof. Md. Abid Hossain Mollah	Seminar on Anthrax
18	Management of Anthrax	Dr. Narayan Chandra Saha	Seminar on Anthrax

Publications from the Department

- Handbook on Pediatric Emergencies
- Anthrax
- Annual Report : Total 10 volumes

Research works			
Sl. no	Title	Name of Researcher	Status
1.	Socio demographic risk factors in poisoning among children.	Dr. Nusrat Farooq	Completed
2.	Prevalence & risk factors of congenital anomalies among babies born in DMCH	Dr. Kona Chowdhury	Completed
3.	Spectrum of epilepsies & epileptic syndrome in child neurology clinic	Dr. Maksuda Sharmin	Completed
4.	Efficacy of locally adapted dietary regimen in the treatment of nutritional marasmus.	Dr. Khondker Qamruzzaman	Completed
5.	Efficacy of oral prednisolone in the treatment of acute Bronchiolitis having atopy.	Dr. Khondaker Zahirul Hasan	Completed
6.	Association between maternal smokeless tobacco use and pregnancy outcome in urban population.	Dr. Mohammad Monir Hossain	Completed
7.	Recurrent headache and its impact on daily activity among secondary level school children in Dhaka city.	Dr. Md. Samsuzzaman	Completed
8.	Screening for Neurodevelopmental impairments of 0-2 yrs children using the developmental screening questionnaire	Dr. U K M Nazmun Ara	Completed
9.	Rate of recovery of marasmic malnutrition with W.H.O. Protocol and locally adapted DMCH protocol.	Dr. Abu Sayeed Chowdhury	Ongoing study
10.	Parenteral perception, attitude & behavior in Febrile convulsion child.	Dr. Farhana Pervin Flora	Ongoing study
11.	Case fatality rate of marasmic malnutrition with W.H.O. protocol & locally DMCH protocol.	Dr. Md. Mohsin	Ongoing study
12.	Role of maternal Tobacco use in development of IUGR.	Dr. Farzana Munmun	Ongoing study
13.	Pattern of isolate pathogen in leukemic patient.	Dr. Chaity Dev	Ongoing study
14.	Duration of passage of meconium in pre-term & term infants.	Dr. Mumtahina Setu	Ongoing study
15.	Comparison of the morbidity and mortality in neonatal period between SGA late preterm and AGA late preterm	Dr. Mohammad Yasin	Ongoing study
16.	Does multitransfusion increase the risk of hepatitis B and C infection among thalassemia patients - a prospective study	Dr. Palash Kumar Biswas	Ongoing study
17.	Comparative study of Baclofen and Tizanidine in reducing spasticity in cerebral palsy - A randomized controlled trial	Dr. Nazmul Haque	Ongoing study

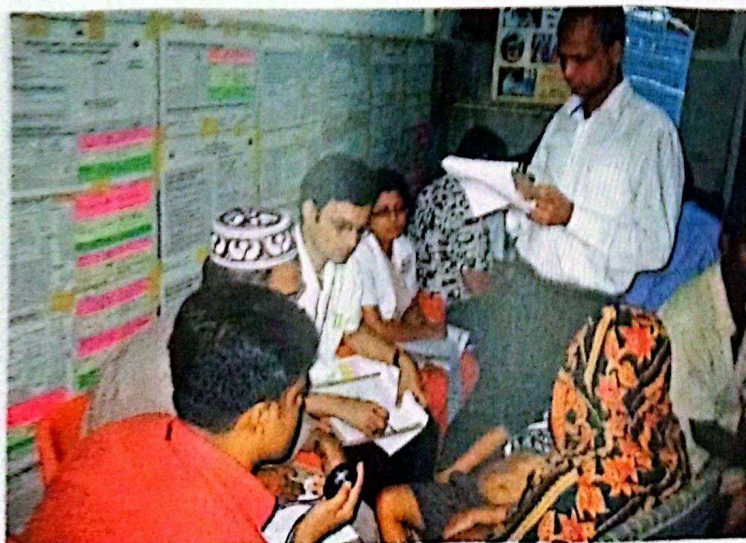
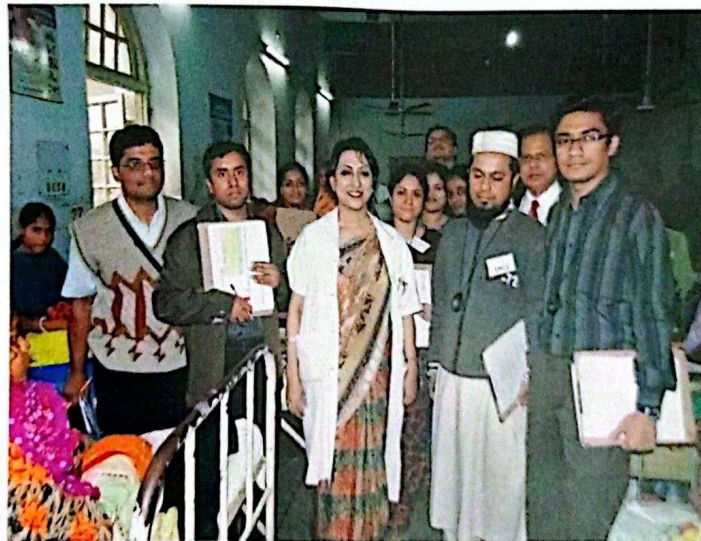
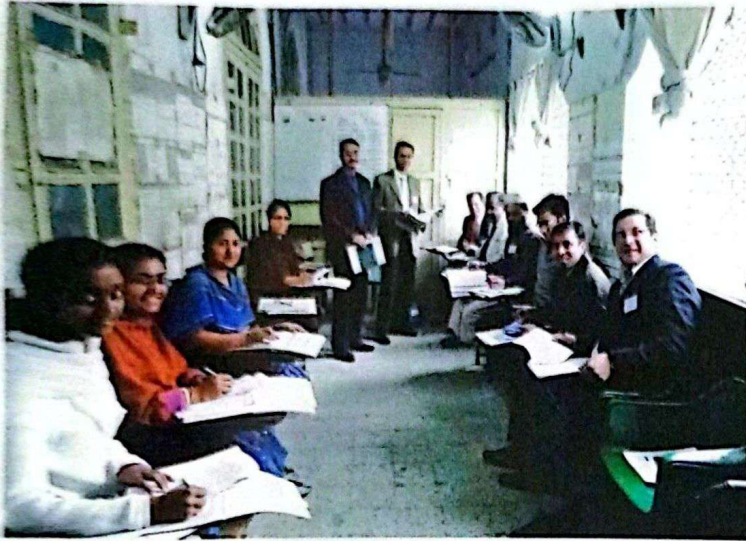
Programs

IMCI Training Program

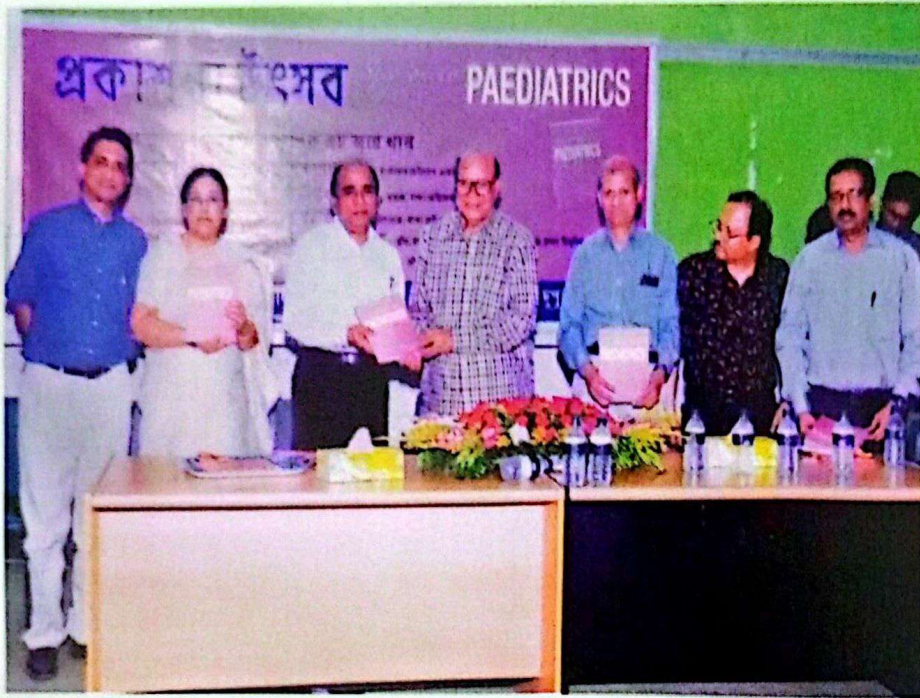
Sl. No.	Duration	No. of Participations
1	06.03.2010 - 17.03.2010	28
2	08.05.2010 - 19.05.2010	29
3	05.06.2010 - 16.06.2010	31
4	21.07.2010 - 01.09.2010	38
5	18.09.2010 - 29.09.2010	27



Activities in IMCI Training



Publication Ceremony of "Step on to PAEDIATRICS"



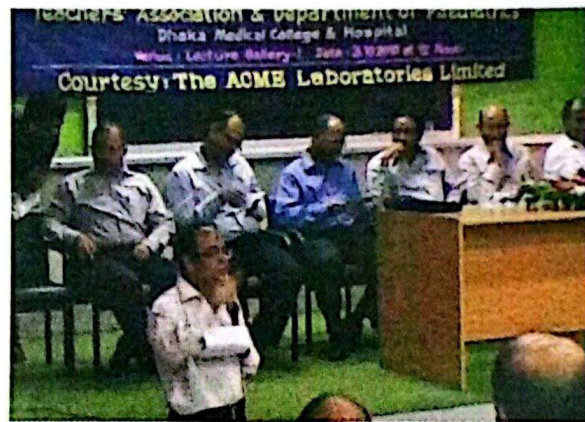
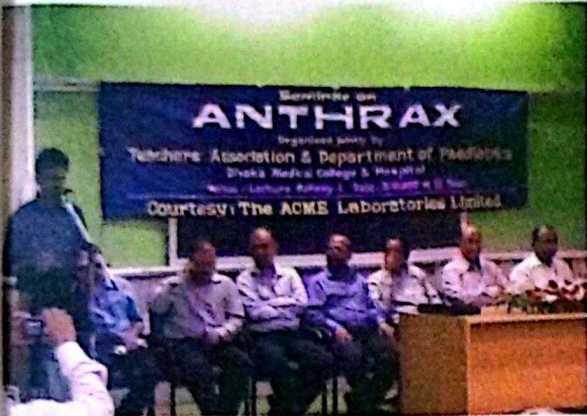
Publication Ceremony of "Step on to PAEDIATRICS"



International Workshop on Pediatric Emergency



Seminar on Anthrax



World Breastfeeding Week 2010



Winter warm cloth distribution among the
poor patients in the Ward



Amusements

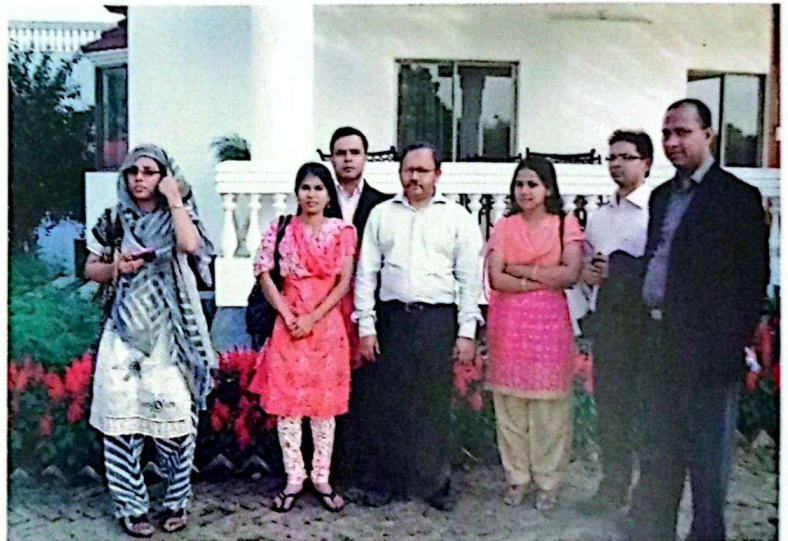


Water Party

Celebration of Successful Pass out in Post Graduate Examinations



Picnic



Picnic



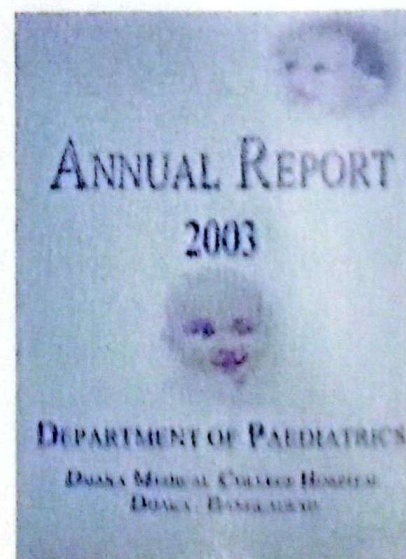
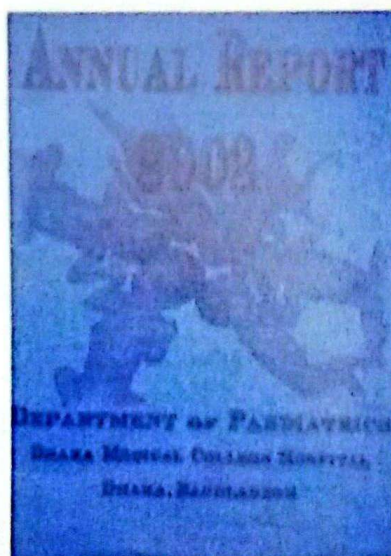
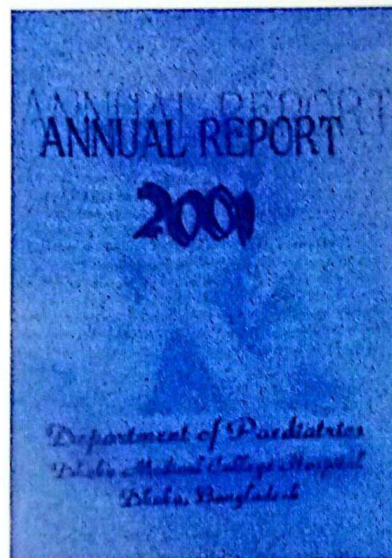
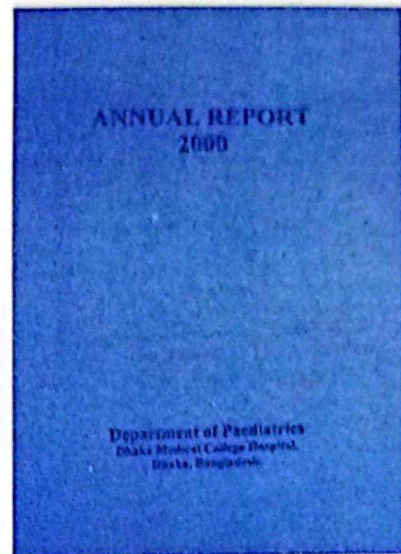
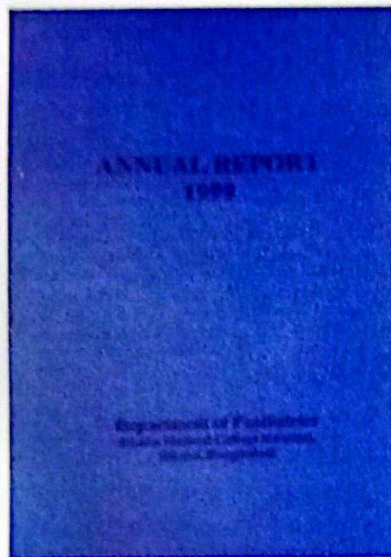
Ashik Play Centre



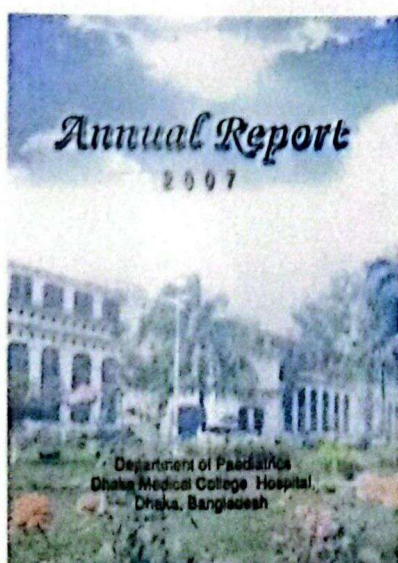
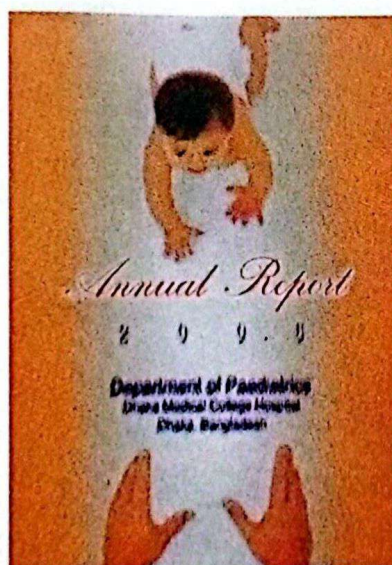
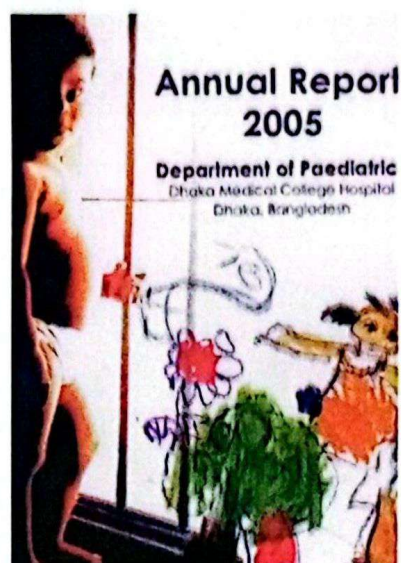
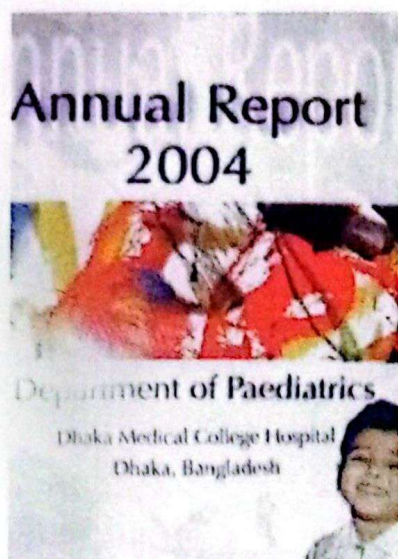
In Leisure Hours



Previous Annual Reports



Previous Annual Reports



Annual Report 2010

Courtesy



Beximco Pharmaceuticals Limited