



# ANWER KHAN MODERN MEDICAL COLLEGE HOSPITAL



## DEPARTMENT OF NEPHROLOGY

Renal Diseases are one of the most important non-communicable disease in the world and the alarming rise of chronic kidney disease now a days causing a big burden for the country's economy even in developed country.

In Bangladesh the common causes of chronic kidney disease are Glomerulonephritis, diabetes, hypertension infections etc. Also acute kidney injury having a lot of numbers and common causes like diarrhea, vomiting, drugs and infections. It is estimated that about 15 % of all the hospitalized patients having some form of kidney diseases.

In Bangladesh about thirty to thirty-five thousand (35000-40000) patients develop to end stage kidney failure per year and needs dialysis. But only a very few can afford dialysis and can continue the treatment. Kidney Transplant facilities are very limited in comparison and to need.

On this context in the year 2008 the department of nephrology started its journey in our hospital to treat the kidney disease patient and it has been upgraded with HD unit,

Separate hepatitis virus positive and negative unit, separate unit for COVID-19 patient, CAPD unit, interventional nephrology unit.

We are delivering all services to the kidney diseases patients through our indoor and outdoor facility as well as renal replacement therapy by an expert and experienced qualified team. We have just expanded our dialysis unit with 20 (Positive 3, Negative-14, ICU-2, Covid-1) dialysis machine recently. We have also dialysis and CRRT facilities in ICU (Intensive Care Unit).

### Faculties of Nephrology

Sl.	Name	Degree	Designation
1	Prof. Dr. M A Samad	MBBS, MD(Neph), FCPS, FRCP	Professor & Head
2	Prof. Dr. Nazneen Mahmood	MBBS, MD(Neph), CCD(BIRDEM)	Professor
3	Dr. Md. Mohiuddin	MBBS, MD(Neph)	Asst. Professor

## FACULTIES OF NEPHROLOGY:



**PROF. DR. M A SAMAD**  
MBBS, MD(Neph), FCPS, FRCP  
Professor & Head of the Department



**PROF. DR. NAZNEEN MAHMOOD**  
MBBS, MD(Neph), CCD(BIRDEM)



**DR. MD. MOHIUDDIN**  
MBBS, MD(Neph)

**CLINICAL ACTIVITIES:**

- 1) OPD services: 06 days in a week run by Nephrologist.
- 2) Indoor services : 24 hours admission facility
- 3) Dialysis: 24hr X 7d Hemodialysis
  - ICU based dialysis.
  - SLED dialysis.
  - B-virus HD unit.
  - C-virus positive HD unit.
  - Separate Dialysis facilities for COVID-19 patients.
- 4) Interventional Nephrology :
  - i) CAPD procedure and training.
  - ii) Renal biopsy
  - iii) Central venous catheterization is routinely done for Emergency dialysis.
- 5) Regular kidney transplant counselling, screening and follow-up.

During Covid-19 Era from Jan 2020 to Nov 2021.

- 6) Total indoor patients -1,300.
- 7) OPD patients - 26,300.
- 8) Total Dialysis Sessions: 12400.

**DIALYSIS UNIT of Nephrology department**







**Dialysis Nursing staffs**

**Academic Activities:**

1. The faculties are dedicated to undergraduate teaching for medical college and as well as hospital.
2. Weekly intradepartmental CME on different important issues of kidney diseases like case reports, death review and journal club etc.
3. Routinely participating local and international seminars and CME programs.

**Research Activities: Ongoing protocol for future publications.**

1. Ongoing protocol for future publications till now we have 17 publications in different national and international journals.
2. Ongoing Research :
  - a) Outcome of AKI due to physical assault in a tertiary care hospital, Bangladesh.

- b) Incidence of infection, pattern and outcome of complications of Central venous (CV) line in hemodialysis is patient ; A single center study.
- c) Common organism and sensitivity pattern in UTI.
- d) Outcome of COVID-19 patient treated with hemodialysis.

**Future Plan:**

1. To start Renal Transplant unit
2. Post graduate training recognition in Nephrology by BCPS.