

# **DEPARTMENT OF MEDICINE**

## **INTRODUCTION**

The department of medicine is the largest department in the hospital in terms of Bed strength and workload. Referred cases from all the divisions of Western Railway and local patients from Mumbai and patients from all other zonal railways attend the hospital for specialist advice and treatment. There are 110 beds on the medical side besides officer's cabins and cabins on the 5th floor. There are 2 male wards, 1 female ward, dialysis unit and 10-bedded MICU.

## **MANPOWER**

### **IRMS**

Dr. Savita Gangurde, ACHD  
Dr. Shankar Dayal, ACHD  
Dr. Ajay Khobragade, Sr DMO  
Dr. Harshvardhan, DMO (on study leave)  
Dr. Preeti Gupta, DMO  
Dr. Trupti Pisal, DMO  
Dr Sireesha C. ADMO  
Dr Maten Shaikh CMP

**DNB-** Four seats per year (forth sponsored seat)

**Senior Residents-** 02 Nos.

**House Surgeons-**04 Nos.

### **Honorary Visiting Consultant**

Dr. Chandan Choudhari. -Nephrologist.  
Dr. Harish Chafle, Intensivist  
Dr Sonam Solanki- Chest physician  
Dr Syed Jaffer-Neurologist  
Dr Samir Rajadhyaksha- Rheumatologist  
Dr Pritam Jain - Hematologist , medical oncologist

### **Services Offered**

#### **OPD:**

- General Medicine OPD- Daily
- Neurology–Thursday
- Diabetology and hypertension- Daily
- Chest clinic –Thursday
- Nephrology– Tue /Friday
- Rheumatology–Tuesday
- HIV clinic - Wednesday.
- Hematology - Mon
- RELHS OPD – Daily
- Executive health checkup - Saturday.

## WORKLOAD

	2018	2019	2020 (COVID)	2021	2022 OCT 22
<b>No. of OPD Patients</b>	86810	88139	7467	<b>44472</b>	48079
<b>No. of INDOOR Patients</b>	7473	8516	1985	<b>7430</b>	4272
<b>TMT</b>	360	45	o	21	149
<b>NO OF SPECIALITY CLINICS</b>	7	7	7	7	7
<b>No. of Patients in specialty Clinic</b>	25249	28291	1672	4075	3713
<b>RELHS</b>	18659	19002	7667	5049	17611

### Diabetic Clinic

Diabetes patients are managed everyday in medical OPD with support of 2 dieticians which conducts diabetic education of patients including their HbA1c titers and Random Blood Sugars. The patients with diabetes are assessed and regular treatment is provided for one month. All Physicians with DNB house officers manage the clinic. Presently more than 2000 patients are registered. We are providing human insulin, newer antihyperglycemic agents wherever indicated. Group Education is given

### Nephrology

The department is having a full fledged working Dialysis Unit which provides round the clock different types of service and manages different emergencies like CAPD/PD, Hemodialysis – Acute and chronic, Maintenance Hemodialysis, SLED, Ultra filtration, Sepsis - Direct Hemoperfusion (polymyxin B), Plasmapheresis, Renal Biopsy and Renal transplant.

Central Oxygen and suction, Monitor, Defibrillators are available.

### First center on Indian Railway to start Hemodialysis for Covid positive patients.

The department caters to the management of patients with Renal diseases including the management of Acute Renal Failure and Chronic Renal Failure. The Haemodialysis unit runs in two shifts and 3 dialysis are performed in each shift. Acute haemodialysis is performed by femoral, jugular cannulation. For long term maintenance dialysis AV fistula is made in this hospital. The patients are attending from various divisions for maintenance dialysis on OPD basis. We are obtaining the services of Jupiter Hospital for Renal Transplantation.

### One of the dialysis centers over India having zero sero-conversion rate.

### Nephrology

	2018	2019	2020 (COVID)	2021	2022 (31/10/22)
Haemodialysis	1412	1514	778	767	873
COVID HD	-	-	209	56	38
CAPD	4	6	2	3	4
Renal Transplant	4	4	0	1	0
Plasmapheresis	44	34	22	31	3
No. of patient registered for HD	63	70	60	59	58
Patient Education Programme	3	2	2	2	2

## MANAGED 303 DIALYSIS IN COVID-19 patients

### Neurology Clinic

The work of Neurology department is being managed by one Honorary consultant, one ACHD, and one DMO. The neurology clinic is held twice a week on Thursday and Saturday. On an average about 50-60 patients attend on each clinic day. We have contract for CT scans and MRI scans with I Scan Imaging Centre. Patients for tests like EMG NCV studies and VEP BERA etc. are referred to Municipal hospitals. EEGs are done & are reported.

### ADVANCED EQUIPMENTS

- Computerized Stress test Unit
- BNP, TROP-I. testing machine (triage), PCT, CRP testing machine and coagulometer
- Temporary pacemakers, -1
- Ventilators-15
- Haemodialysis machines-3, Portable R O plant-2, R O system-1
- ABG analyser-1
- Bedside monitors-10(+ 1 stand by)
- Ambulatory BP monitor-2
- Sleep Apnoea study
- Video Laryngoscope
- Infusion pumps-25
- Portable X Ray -1
- ECG machines-5
- Portable USG machine-1
- DVT pump-5
- Defibrillators-2
  - Continuous glucose monitoring system

## ACTIVITIES

1. Patient education programs on preventive & promotive health.
2. Multipurpose health drives in colonies and workplace
3. Celebration of imp. National health days.
4. Group education on diet, drugs etc in OPD.
5. CME/ Seminars for doctors organized.
6. Training of paramedical staff since 2016 and under project Saksham since 2018.
7. DNB FAT exam center since 2016.

## ACHIEVEMENTS & ACADEMICS ACTIVITIES:

- The Department is accredited for post graduate education for DNB Medicine since the Year '1994 and Dept is recognized for 4 seats/year of Post Graduate Course of Diplomate of National Board in General Medicine (equivalent to MD) accredited by Medical Council of India.
- A total of 73 DNB students have worked in the hospital till date
- Dr. Shobha Prabhu, DNB candidate and DMO in the IRMS stood ALL INDIAFIRST in the DNB exit examination in 2002.
- Dept is accredited for DNB Diploma in FAMILY MEDICINE for 2 seats since 2021
- Dept. is accredited for P.G. DIPLOMA IN CRITICAL CARE MEDICINE by Indian Society of Critical Care since 2015, 2 seats each for diploma and certificate course .
- Lectures have been delivered on HIV, Renal Disease, Drugs in Elderly, critical care, Diabetes in the Annual conferences.
- Dr Harshvardhan Bhamre has published paper in national journal JAPI Sept. 2016
- Dept is actively taking part in promotive and preventive health by regular health check up camps and health education of the public.
- Papers were presented from dept of medicine in RAPICON 2019,
  - 1) Case of steroid induced Addison's disease
  - 2) Archetype of dysarrhythmogenic RV in Ebstein Anomaly
- Paper presented in APICON-2020 by Dr Om Panda  
Successful management of SJS by Plasmapheresis
- Paper presentation by Dr Nagesh Murthy in RAPICON-22 on unilateral pulmonary edema and SIADH cause for hyponatremia.
- Dr Savita Gangurde delivered lecture in APICON-2022 on "Nutrition in CKD"
- Jagjivanram Hospital was selected as **DNB FINAL PRACTICAL EXAMINATION CENTER**, in oct 2019, first time in Indian Railway history
- Conducted CME for one credit hour on 14-03-2022 on occasion of World kidney day, CME on TB on 22.4.22 and CME on STROKE on 16.07.22 for one credit hour each
- **Successfully managed COVID -19 pandemic.**

## PROPOSALS

- 1) Intermediate care unit (HDU) construction of the unit is almost over. Instruments and equipment are to be procured during this financial year.
- 2) Expansion of the present Dialysis unit with facilities to cater HBV,HCV patients.

#### **FUTURE PLAN**

- 1) HDU is needed as step down area for serious pt from MICU; presently these patients are kept in the first cubicle of the ward. Not able to start due to want of staff as per yard stick.
- 2) Budget allocation for purchase of instruments and equipment for HDU. Total 4 crore was sanctioned for HDU, including 1.92 crore for medical equipments, out of this 1.2 crore had been allotted in year 18-19. Most of this is utilized for construction. Only 25 lakh came for medical Deptfor equipment procurement.
- 3) Expansion and upgradation of MICU with proper storage facility.
- 4) Upgradation of the Dialysis unit with 2 more machines.