

# **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, Sr DMO ( NEUROLOGY)  
Dr. Preeti Gupta, Sr DMO  
Dr. Trupti Pisal, DMO  
Dr Sireesha C. ADMO  
Dr Maten Shaikh CMP

**DNB-** Four seats per year (forth sponsored seat)  
DNB DIP in Family Medicine( 2 seats per year)  
**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

	2019	2020 (COVID)	2021	2022	2023 31-8-23
<b>No. of OPD Patients</b>	88139	7467	<b>44472</b>	62253	60483
<b>No. of INDOOR Patients</b>	8516	1985	<b>7430</b>	4938	3184
<b>TMT</b>	45	o	21	186	136
<b>NO OF SPECIALITY CLINICS</b>	7	7	7	7	7
<b>No. of Patients in specialty Clinic</b>	28291	1672	4075	3398	2443
<b>RELHS</b>	19002	7667	5049	5155	12796

### 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

	2019	2020	2021	2022	2023 (8-23)
Haemodialysis	1514	778	767	1137	1185
COVID HD	-	209	56	38	0
CAPD	6	2	3	5	1
Renal Transplant	4	0	1	0	1
Plasmapheresis	34	22	31	8	31
No. of patient registered for HD	70	60	59	61	72
SLED	0	0	0	0	43
Patient Education Programme	2	2	2	2	1

SLED( Slow Low Efficiency Dialysis) Facility started from JAN 2023.

## Neurology Clinic

The work of the Neurology department is being managed by one IRHS NEUROLOGIST & Honorary consultant,.The neurology clinic is held thrice a week on Mon , Wed & Thursday . On an average about 50-60 patients attend on each clinic day. We have a contract for CT scans and MRI scans with Aarthi 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-5, 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
- HFNO-1

## 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
8. DNB practical exam center since 2019..

## 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 INDIA FIRST in the DNB exit examination in 2002.
- Dept is accredited for DNB Diploma in FAMILY MEDICINE for 2 seats.
- 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 dysarrhythmic RV in Ebstein Anomaly
- Paper presented in APICON-2020 by Dr Om Panda "Successful management of SJS by Plasmapheresis"

Paper presented by Residents Dr Shubham Akre & Dr Richa Gaikwad in APICON-2023.

- Jagjivanram Hospital was selected as **DNB FINAL PRACTICAL EXAMINATION CENTER**, first time in Indian Railway history.
- So far conducted DNB final practical exams 4 times.
- Conducted CME for one credit hour on 14-03-2022 on occasion of World kidney day
- **Successfully managed COVID -19 pandemic.**

## NEW DEVELOPMENT:

- 1) 12 bedded Intermediate care unit (HDU) construction of unit started functioning.
- 2) Extension of Dialysis facility in CVTS & Cardiac ICU
- 3) SLED( Slow Low Efficiency Dialysis) for very sick pts in MICU & CVTS ICU .

## **FUTURE PLAN**

- 1) 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.
- 2) Expansion and upgradation of MICU with proper storage facility.
- 3) Expansion of HD facility for HBV/HCV positive patients.