# SERVICES DELIVERED TO THE CITIZENS DIRECTLY BY LHMC/SSKH AND KSCH

#### A) OPD SSKH

#### 1. General Specialties

- Medicine
- Surgery
- Orthopaedics
- Obstetrics and Gynecology
- ENT
- EYE
- Dermatology
- Psychiatry
- Superspecialities Neurology
- Plastic Surgery
- Superspecialities Not Available
- Neuro Surgery
- Cardiology
- Urology
- Nephrology

## 2) Centralized Labs For department of Pathology

- For department of Biochemistry
- For department of Microbiology

#### 3) Blood Bank Functioning 24\*7

- 4) Screening OPD- Started w.e.f.-21.08.2023
- 5) Sunday OPD- Surgery, Medicine, Ortho, Obs & Gynae.
- 6) Blood Samples Taken
- OPD 8 AM 5 PM
- IPD − 24\*7
- **7** Departments of integrated medicine (with Panchkarma facility).

#### B) IPD

No. of beds available = 838 (Old IPD) + 1026 (New IPD)

#### C) National Programmes/Schemes-

- PMJAY
- Immunization including COVID vaccination
- Blindness control Programme
- Organ donation Programme center for Cornea Retrieval
- Outreach centres eq. PHC and UHC
- Issue of PWD disability certificates
- ABHA id creation

#### D) Teaching: -

LHMC with associate hospitals is providing medical education at various levels:

- Undergraduate MBBS
- Post Graduation MD/MS. MDS

#### FACILITIES PROVIDED BY VARIOUS DEPARTMENTS ARE AS FOLLOWS:

# 1) DERMATOLOGY: -

- **a)** Special clinics dealing with specific Skin disorders run in skin OPD from 9 am to 1 pm.
- Acne Clinic
- Hair Clinic
- Pigmentation Clinic
- Vitiligo Clinic
- Urticaria Clinic
- Patch testing Clinic
- Connective tissue diseases clinic
- Autoimmune listening diseases clinic
- Psoriasis clinic
- Geriatric Dermatology clinic
  - **b)** Leprosy Clinic is run that deals with new and follow-upleprosy patients. Free treatment is provided through NLEP.
  - **c)** Suraksha clinic runs daily & patients with STI/HIV are provided diagnostic and treatment services with provision of free kits from NACO. Free counseling is provided to patients.
  - d) Phototherapy is given thrice thrice a week.
  - **e)** Lasers, chemical peels, nail surgical procedures are carried out.
  - f) Skin tumor clinic runs in skin OPD on Tuesday and Friday.

**g)** Public health awareness programmes on eczema, leprosy, STIs, CTDs and other allergic disorders are held periodically in skin OPD.

# 2) TB & CHEST: -

#### a) OPD (Daily Morning)

- Chest OPD- 8th Floor, Wing 3, New OPD
- DOTS TB OPD- 4<sup>th</sup> Floor, DOT center, New OPD

#### b) Special Clinics (Morning)

- Asthma clinic- Everyday, 8th floor, Wing 3
- Difficult to treat TB clinic- Everyday, 8th Floor, wing 3
- Smoking cessation clinic- Wednesday & Friday, 8th Floor, Wing 3 New OPD
- Pulmonaly Rehab clinic- Wednesday & Friday, 8<sup>th</sup> Floor, Wing 3 New OPD

# 3) SURGERY: -

- a) All GI Cancer surgeries- Both open & Laparoscopic.
- **b)** Thyroid, Head & neck Cancer Surgeries,
- c) Breast Cancer surgeries
- **d)** All Urological Cancer surgeries- Renal, Urinary Bladder, testicular, penile cancers.
- e) Surgery for soft tissue Sarcomas.
- f) Bariatric Surgical Procedures for Morbid Obesity.
- **g)** Basic & Advanced Laparoscopic Surgeries for Benign (non cancerous) surgical conditions.
- **h)** Uroflowmetry & Urodynamic studies being done for patients.
- i) Esophageal manometry & 24 ambulatory pH studies being done in Surgery Dynamic Lab.
- **j)** VAAFT surgery for fistula in ano.
- **k)** Radiofrequency treatment for varicose veins, piles, fistula in ano.
- 1) Arteio venous fistula surgery for dialysis patients.

# 4) RADIODIAGONIS: -

## a) Routine

- X-Rays
- Special X-Rays
- Ultrasound and CT scan

#### MRI

All the above services are available from 9 am to 4 pm during routine hours.

#### b) Emergency

• Emergency X-Ray, CT scan and Ultrasound services are also available round the clock.

# 5) **PSYCHIATRY:** –

#### a) OPD Services

- OPD services are provided at 3<sup>rd</sup> Floor, New OPD.
- Registration of the patients is done at Wing 3, 3<sup>rd</sup> Floor, New OPD.
- Registration of new/old patients 8.30 am to 11.30 am (Sat from 8.30 am to 11 am).

#### b) Special Clinics

- Special clinics are conducted at 3<sup>rd</sup> Floor, New OPD.
- Special clinics are conducted from 2 pm to 4 pm from Mon to Fri.
- Special clinics: Women Mental Health Clinic, Geriatric Mental Health Clinic (Memory Adolescent Psychiatry, De-Addiction Clinic, Psycho-sexual clinic and Psycho-motor Disorders clinic.

#### 6) OBSTETRICS & GYNECOLOGY: -

#### a) OPD services: New OPD Block, 2nd Floor Wing 1-4

- Registration from 8 am to 12 pm
- Antenatal OPD Mon Fri
- Gynecological OPD Mon Sat
- Consultants available in Antenatal & Gynae OPD fro, 9 am to 2 pm.
- Family planning OPD Mon Sat (9 am to 1 pm)

#### b) Point of care tests available in the OPD

- Hemoglobin estimation
- Urine alb/sugar
- Urine Pregnancy test (DIPSI)
- Screening of Diabetes in Pregnancy (DIPSI)
- HIV/HBsAg
- USG and NST for fetal surveillance

#### C) Indoor Patient Services (IPD)

# • Special Clinics (Wing - 2, First Floor)

Day	Clinic	Time	Room no.	Services
Monday	Reproductive	1.30 - 3.30	128	Evaluation &
J	Endocrinology	pm		Management of
		_		endocrinological
				problems in
				gynecology.
Tuesday	Menopausal	1.30 - 3.30	128	Evaluation &
	Clinic	pm		management of
				Perimenopausal and
				menopausal
				problems.
Wednesday	Gynae	1.30 – 3.30	131	Multidisciplinary
	Oncology	pm		consultation and care
				of women with
				gynmeaecological
				malignancies.
Wednesday	Fetal Medicine	1.30 – 3.30	120 – 121	Diagnostic evaluation
		pm		and management of
				antenatal women with
				congenital
				malformation/genetic
TT7 - 1 1 -	0.1	1 20 2 20	100	disorders.
Wednesday	Colposcopy	1.30 – 3.30	128	Screening for
		pm		preinvasive and invasive lesions of
				cervix, Colposcopy
				directed cevical
				biopsy, see and treat,
				thermoablation.
Thursday	Postnatal clinic	1.30 - 3.30	FOPD 2 <sup>nd</sup>	Postnatal checkup
Titatsaay		pm	floor, Wing 4	and contraception.
Thursday	Adolescent	1.30 – 3.30	128	Diagnostic evaluation
<b></b>	Clinic	pm		and management of
		1		gynecological
				problems in
				adolescents.
Thursday	Urogynaecology	1.30 - 3.30	128	Clinical evaluation

		pm		and management of urogynaecological problems.
Friday	Infertility	1.30 – 3.30 pm	131	Basic infertility workup and management including follicular study and IUI.
Friday	Near Miss clinic	1.30 – 3.30 pm	131	Clinical evaluation and management of residual morbidity in critically sick pregnant women after discharge from hospital.
Friday	Still Birth Clinic	1.30 – 3.30 pm	130	Interconceptional evaluation and care of women who had previous still births.

- Total beds 228
- High dependency care and obstetric intensive care 6 + 6 Beds
- Main Labour Room 16 beds + 6 delivery tables
- Septic labour room 12 beds + 2 delivery tables
- Eclamsia Room 6 beds + 1 delivery table for management of delivery of preclamptic/eclamptic women
- Separate delivery room with 2 delivery table for HIV/HbsAg positive women
- Janani shishu Suraksha karyakram (JSSK Scheme) is operational wherein all antenatal women are given free of cost treatment.
- **Gynae casualty:** Round the clock emergency services are available pertaining to department Obst. & Gynae. Duty doctors are available round the clock and consultant is available on call.
- **One Stop Centre:** For care of survivors of sexual assault. Services are available round the clock.
- **Surgeries:** All open major gynecological and obstetric surgeries are available including advanced surgery for gynecological maligancy are done.
  - Operative Laparscopic and hysteroscopic services are available.

• **Family Planning:** Open and laparoscopic female sterilization services are available.

Non scalpel vasectomy is available.

• **Genetic Lab:** For aneuploidy screening, Diagnostic Cytogenetics: Karyotyping, Beta Thalassemia & Sickle cell anemia career screening and prenatal diagnosis, New born screening – for G6PD, CH, Galactosemia, Biotinidase deficiency and congenital adrenal hyperplasia, DMD – career testing and prenatal diagnosis, DNA extraction and storage has been development. The genetic screening and diagnostic facilities are also provided to aspirational district of Mewat, Haryana.

Wheel chairs and trolleys are available are available in OPD & IPD.

# • Staff Strength:

Total Faculty: 21 Senior Resident: 20

Post Graduates students: 18/Year

#### 7) COMMUNITY MEDICINE:

### a) Standards of services

The Department of Community Medicine of Lady Hardinge Medical College provides Patient care through attached health centres and carries out patient advocacy in its field practice areas in the form of health talks and role plays on various communicable and non-communicable diseases prevalent in the community. These health awareness activities are regularly conducted by Medical Interns and Post-Graduate students of the Department. Health awareness activities in the community are also carried out by Under-Graduate students during field visits as part of their practical posting. Along with these, special health awareness campaigns are held in the community on the occasion of National and World Health Days. We are also providing screening OPD services in LHMC & SSKH.

# b) Faculty Strength

S.No.		Total number of doctors
		doctors
1.	Faculty	11
2.	Senior residents	6
3.	Post graduates	@ 9 PG/ year

#### c) Types of Services

#### Pedagogical Duties-

- Teaching
- Training
- Assessment/Evaluation

The department is collaborating with Lal Bahadur Shastri Hospital in East Delhi district.

#### d) Research/Capacity Building

The department had successfully organized an International Conference on Occupational & Environmental Health in 2019 which was attended by several National and international delegates.

#### e) Patient Care

The Department currently has following three functional health centres with adjacent areas being its field practice areas besides Covid vaccination centre (CVC), Screening OPD services in LHMC & SSKH and Lal Bahadur shastri hospital, Kalyan Puri as district hospital for interns posting:

Days General OPD All days	Hours 9:00 a.m 1.00 p.m.			
, , , , , , , , , , , , , , , , , , ,	9:00 a.m 1.00 p.m.			
	•			
All days (except	9:00 a.m 1.00 p.m.			
Sunday)				
Tuesday	9:00 a.m 1.00 p.m.			
Wednesday & Friday	9:00 a.m 1.00 p.m.			
Tuesday	9:00 a.m 1.00 p.m.			
Wednesday	9:00 a.m 1.00 p.m.			
Thursday	9:00 a.m 1.00 p.m.			
Saturday	9:00 a.m 1.00 p.m.			
Routine Laboratory testing is also done regularly.				
	Sunday) Tuesday Wednesday & Friday Tuesday Wednesday Thursday Saturday			

f) Urban Health Centre, Kalyanpuri: -Located approx 16 kilometers from the Institution in East Delhi district, this health centre is fully managed by the Department. Other than providing routine Out Patient Department (OPD), antenatal care, immunization and other special services, Resident Doctors and Interns posted in the centre are involved in regular community outreach activities focusing on preventive and promotive aspects of healthcare. The centre is also equipped with a COVID vaccination facility for pregnant and lactating women and has a

- pharmacy with several essential medications available free of cost for patients.
- g) **Primary Health Center, Palam:** Located approx 19 kilometers from the Institution in South West Delhi district, this is a Central Government health centre. Resident Doctors and Interns posted in this centre are involved in routine OPD services, antenatal care and immunization services in addition to conducting regular health awareness activities for patients visiting the centre. The PHC has a sub-centre which is visited by Residents and Interns weekly on designated day for providing healthcare services in the community.

Days	General	Antenatal	Gynae	Family	Immunization.
	OPD	Clinic	OPD	Planning	
				Clinic	
MONDAY			-		$\sqrt{}$
TUESDAY		$\sqrt{}$			-
WEDNESDAY		_	$\sqrt{}$		$\sqrt{}$
THRUSDAY					$\sqrt{}$
FRIDAY					-
SATURDAY					$\sqrt{}$

# Laboratory services provided-

- HIV Testing
- Sputum for AFB- DOTS clinic Peripheral blood smear- Malaria clinic
- VDRL STD lab
- Complete Blood Count (CBC), routine Urine PHC Lab
- **Sub Center** During weekly visit to sub-centre in Harijan Basti every Saturday, immunization and antenatal care services are provided.
- **h) SDMC POLYCLINIC, MEHRAULI** Located approximately 16 kilometers from the Institution, this is a Municipal Corporation of Delhi (MCD) health centre in South Delhi district. Resident Doctors and Interns posted in this centre are involved in providing routine OPD services and carry out regular health awareness activities.

Resident Doctors and Medical Interns posted in the centre provide routine OPD services and regularly conduct health awareness activities for patients attending the

#### OPD-

#### Laboratory services provided -

- CBC, Liver Function Test (LFT), Kidney Function Test (KFT), Thyroid profile, Routine urine, RBS- Polyclinic lab
- Sputum for AFB- DOTS clinic
- i) Lal Bahadur Shastri Hospital, Kalyanpuri: Under District Hospital Posting as per updated NMC Guidelines, Medical Interns are posted in LBS Hospital for a period of 9 weeks. During this period, they undergo training in the Departments of Medicine, Surgery and Obstetrics& Gynecology on rotation basis.
- j) Covid Vaccination Center (CVC), LHMC & Associated Hospitals: The CVC is a model vaccination centre in New Delhi district managed by Faculty, Resident doctors and Medical Interns posted regularly on rotation basis.
- **k) Screening OPD, LHMC & SSKH:** Faculty, Resident doctors posted regularly on rotation basis to deliver screening OPD services in LHMC & SSKH.

#### 1) List of Equipments available: -

- 1) Pulmonary function test machine (Spirometer)
- 2) Sound Level Meter
- 3) Audio meter
- m) OPD & Lab Tests: Department has three peripheral health centres where routine healthcare services are provided along with basic laboratory testing facilities.

# 8) MICROBIOLOGY: -

Department of Microbiology, LHMC is providing HIV Testing and counseling services and COVID Testing Services for citizens.

# 9) BIOCHEMISTRY: -

# a) Standards of Service

The Department of Biochemistry offers Clinical Biochemistry laboratory services providing round-the-clock (24x7) services. The department expanded its services to include Hormone, Special Tests, Vitamins, and Tumor Marker analysis. In lieu of increase patient sample load and patient care, we strive at

most to provide reliable, accurate and fast results for good patient management.

#### b) Location

This lab is located in New IPD block, Second Floor, Wing 4, Lady Hardinge Medical College, SSKH, Connaught place, N Delhi.

#### c) General Information

The laboratory is equipped with state -of-the- art fully Automated analyzers; Beckman Coulter AU-5800 and AU-680 analysers for Clinical Biochemistry, E-CLIA (Electro-Chemiluminiscence by fully automated Immuno-analyser Roche e411), CLIA (Chemiluminiscence by Beckman coulter DxI) for Hormonal assays/Vitamins/Tumor markers in Immuno-Biochemistry Laboratory. Our laboratory staffs have been trained to ensure smooth operation and quality reports, while maintaining a reasonable turnaround time.

#### d) Services offered by Biochemistry Laboratory

Testing profile provided to help aid with patient diagnosis and treatment monitoring:

- 1. Clinical Biochemistry 24X7 lab services:
  - I. Tests available for emergency:
    - i. Glucose
    - ii. LFT
    - iii. KFT
    - iv. Serum Electrolytes
    - v. Amylase and Lipase
    - vi. Serum calcium and Inorganic phosphorus
  - II. Routine Test profile available:
    - i. LFT: Total and Direct Bilirubin, Transaminases enzymes (AST, ALT), Alkaline Phosphatase, GGT, Total Protein and Albumin
    - ii. KFT: Urea and Creatinine,
    - iii. Serum electrolytes: Sodium and Potassium
    - iv. Pancreatic Profile: Amylase and Lipase
    - v. Lipid profile: Total Cholesterol, Triglycerides, LDL and HDL
    - vi. Bone profile: Serum calcium and inorganic phosphorus
    - vii. Cardiac profile: AST, LDH, CK-nac, Hs-CRP
    - viii. Inflammatory profile: PCT, Hs-CRP and LDH
    - ix. Diabetic profile: Blood Glucose, HbA1c, Urine albumin creatinine ratio

- x. Urine profile: Urine Protein creatinine ratio, Urine Albumin creatinine ratio, Insulin, Urine electrolytes, Urine calcium, Urine glucose, Urine osmolality
- xi. Others: Uric acid, Magnesium, ADA, Lithium and Lactate
- 2. Immunobiochemistry Laboratory (8am-8pm):
  - I. Hormone Profile
    - i. Thyroid profile test: TSH, fT3, fT4
    - ii. Fertility profile test: LH, FSH, Estradiol, progesterone, prolactin, testosterone
    - iii. Parathyroid hormone
    - iv. Insulin
  - II. Tumor markers
    - i. AFP, β-HCG, Total PSA and free PSA
  - III. Vitamin study
    - i. Vitamin B12, Vitamin D and Folic acid
  - IV. Cardiac failure marker: Pro-bnp

Tests	Vacutainers	Preferred volume
<ul> <li>All serum biochemistry tests and hormone profiles</li> <li>Glycated Hemoglobin (HbA1c)</li> <li>Parathyroid Hormone (PTH)</li> <li>Plasma Glucose</li> <li>Lactate</li> <li>Urine sample</li> </ul>	Red  Lavender  Grey  Urine Container	<ul> <li>2ml for individual assays</li> <li>3ml for profile</li> <li>24-Urine volume to be written in form and send in container</li> </ul>

#### e) Sample collection

#### Inpatient and outpatient services

- 24 x7 emergency tests available as mentioned above
- Samples from ward are brought by MTS and received in laboratory reception, where samples are accepted based on test profile, correct vial, and correctly filled form.

- Turnaround time for IPD samples are 4 hours for routine and 2 hours for emergency after reports have been verified by doctor on duty in laboratory.
- In cases of repeat sample needed or verification of history, calls are made to respective ward and informed to doctor in-charge.
- Sample from OPD sampling area are received in intervals till 5pm for processing and verified reports are dispatched to OPD report dispatch.

# 10) PATHOLOGY: -

- Latest fully Automated Analysers for routine patient care including **Hematology Analyser, Urine and Fluid Analyser, Semen Analyser**
- For diagnosis and prognostication of various cancers (Breast cancer, Head and Neck cancer, Cervical cancer, Endometrial cancer, Leukemias) Trucut Biopsy, Liquid Based Cytology, Fully Automated Immunostainer, Flow Cytometry
- For workup of immunodeficiency diseases and autoimmune diseases: Flow cytometry, ANA profiling by FISH
- For bleeding disorders and workup of thrombophilia: various tests added on Fully Automated Coagulation Analyser, Platelet Aggregometer
- The Clinical Pathology Laboratory and Emergency laboratory have been shifted to Wing 3, IInd floor, New IPD Block as Central Pathology Laboratory. This lab is functional round the clock (24x7).
- The OPD lab services are provided from 8am to 5pm.
- A number of new tests were started by the Department this year including C3,C4, C- reactive protein, Serum ADA, beta 2 microglobulin
- Molecular diagnosis of acute leukemia, chronic myeloid leukemia and quantitative PCR for BCR-ABL is being done
- New cryostat and automated bone saw has been procured
- Autopsy room for neonatal autopsies is renovated
- Digitalization of the museum specimens is under process

# **11) RADIATION ONCOLOGY:** - OPD and Day Care facility.

# **12) ENT:** - Following facilities are being provided by department of ENT:

- Outdoor Services
- Indoor Services
- Cancer Surgery
- Speech Therapy Deafness
- Rehabilitation
- Coachlear Implantation under ADIP scheme of Ministry of Social Justice and Empowerment.

# 13) ACCIDENT AND EMERGENCY: -

- Main Casualty is accessible from gate no. 3A, Shahid Bhagat Singh Road.
- Gynae Casualty located opposite to veranda at the back of Main Casualty. (Panchkuian Road, Gate No. 6)
- All Casualty services are available round the clock.
- Duty doctor is available round the clock.
- Consultant doctors are available on call from resident doctors.
- Head of Department is available on call from specialist, if required.
- Emergency services are available for all specialties as listed in the OPD services.
- Emergency operations are done in C.O.Ts located near old emergency. It is functional round the clock.
- In critical cases, treatment/management gets priority over paper work like registration and medico legal requirements. The decision rests with the treatment doctor.
- Round the clock X-Ray, Ultrasound & CT scan is available.
- Two minor OT functioning round the clock.
- Dedicated space for Dental emergency also available.
- Emergency laboratory services are available 24\*7.
- Centralized ACs to make the environment comfortable.
- 30 bedded disaster ward available on First Floor.

# 14) BIOCHEMISTRY: -

a) Standards of Service

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    - i. Thyroid profile test: TSH, fT3, fT4

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- iii. Parathyroid hormone
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- b. Tumor markers
  - i. AFP, β-HCG, Total PSA and free PSA
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<ul><li>Plasma Glucose</li><li>Lactate</li></ul>	Gley	and send
• Urine sample	Urine Container	in container

#### c) Sample collection

# Inpatient and outpatient services

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- h) Sample from OPD sampling area are received in intervals till 5pm for processing and verified reports are dispatched to OPD report dispatch.

# 15) <u>DENTAL & ORAL SURGERY</u>: -

- Telemedicine during the Covid time including design and development of Vaidya Vani application for patient consultation with help of Artificial Intelligence Division of NIC.
- The department of Dental & Oral surgery has been designated as the "PMD-Hub", A National Resource Centre for oral health, under the National Oral Health Program of the MOHFW.
- Dental & Oral Maxillofacial Surgery Accident & Emergency services in the New Accident Emergency Block, LHMC & Associated Hospitals.

#### B) OPD KSCH

#### 1. OPD

- General Pediatrics
- Pediatric Orthopedic
- Pediatric Ophthalmology
- Pediatric ENT

#### 2. Superspecialty

- Pediatric Surgery
- Neonatology
- Pediatric nephrology
- Tele Consultation Services

# PEDIATRIC MEDICINE: -

- a) Specialty clinics and other specialized services:
  - Child Health promotion Clinic (Immunization)
  - ART centre
  - Adolescent clinic
  - Pre-Transplant CKD clinic
  - Pediatric Nephrology
  - Pediatric Endocrine
  - Pediatric cardiology
  - Epilepsy clinic

- Pediatric Haematology
- Pediatric Rheumatology & Immunology
- PICU follow up clinic
- Pediatric Diabetes clinic
- Pediatric Tuberculosis and Chest disease clinic
- Pediatric Asthma clinic
- Pediatric Gastroenterology, Hepatology & Nutrition
- Pediatric Neurology
- CKD & Bladder clinic
- After completion of Therapy clinic

# b) Other Special Services:

- Pediatric Intensive care
- Thalassemia Day Care centre
- Pediatric Medicine Day Care centre
- · Hematology day care services
- Diarrhoea Treatment & Training Unit
- Bronchocopy, Pulmonary function test, sleep labs
- GI Endoscopy, Colonoscopy
- Peritoneal dialysis, hemodialysis