

# **King George's Medical University U.P. Lucknow**

## **Faculty of Paramedical Sciences**



### **DEPARTMENT OF CARDIOLOGY**

### **DIPMOLA IN CARDIOLOGY TECHNICIAN**

**Nodal Officer - Dr. Pravesh Vishwakarma, Professor (Jr)**

**Demonstrator-Mr. Shyamji Raman Mishra**

**Teacher Assistant - Mr. Maneesh Kumar**

**Computer Operator- Mr Ratnesh Kumar**

# Diploma In Cardiology Technician

Batch	No. of Admitted Student	Total No. of Seat
2017-2019	22	30
2019-2021	29	36
2020-2022	27	36

## **Passed Student List Batch: 2017-19**

1. Maneesh Kumar
2. Priyanka Kushwaha
3. Aradhana Shakya
4. Akriti Verma
5. Vinod Kumar
6. Tanya Gupta
7. Ashamita Kumari
8. Priyanshu Upadhyay
9. Neelam Gautam
10. Abhinav Kumar
11. Nargis Jahan

12. Krishna Prajapati
13. Shwati Singh
14. Abhinav Singh
15. Sweksha Verma
16. Indrajeet Gautam
17. Pragati Pandey
18. Shivani Gupta
19. Mohd Ubaid
20. Srishti Yadav
21. Tushar Singh
22. Akash Kumar

## **Student List Batch: 2019-20**

- |                      |                             |                      |
|----------------------|-----------------------------|----------------------|
| 1. Reema Bharti      | Yadav                       | 19. Diwakar          |
| 2. Ankit Kumar Nigam | 11. Damini Sharma           | 20. Ujala Shakya     |
| 3. Archana Devi      | 12. Shivani                 | 21. Kartika Devi     |
| 4. Km Aksha          | 13. Tarun Prakash Sharma    | 22. Muskan Agrahari  |
| 5. Shrishti Pal      | 14. Vishal Sharma           | 23. Km Kalindi       |
| 6. Ruchi Verma       | 15. Abhishek Kumar          | 24. Priyanshi Shukla |
| 7. Nikhil Kumar      | 16. Shraddha Gupta          | 25. Rashika          |
| 8. Sukriti Saran     | 17. Neeraj Kumar Srivastava | 26. Sachin Sonkar    |
| 9. Suraj Singh       | 18. Sadhvi Rajawat          | 27. Arpita           |
| 10. Ravikesh Kumar   |                             | 28. Dileep Kumar     |
|                      |                             | 29. Pratibha Verma   |

# **Student List Batch: 2020-21**

- |                     |                      |                     |
|---------------------|----------------------|---------------------|
| 1. Ajay Kumar Yadav | 10. Gaurav           | 20. Shivam Tiwari   |
| 2. Akansha Gupta    | 11. Hema Pandey      | 21. Shivangi Verma  |
| 3. Km. Anjali       | 12. Hitesh Yadav     | 22. Shraddha Pandey |
| 4. Km Anjani        | 13. Khushi Bansal    | 23. Shreya Singh    |
| 5. Anuj Shukla      | 14. Muskan Gupta     | 24. Shubham         |
| 6. Asmita Tyagi     | 15. Pragya Srivastav | 25. Wahila          |
| 7. Ayushi Dwivedi   | 16. Priya Gautam     | 26. Anuja Bharti    |
| 8. Babita Maurya    | 17. Ritansh Singh    | 27. Shivam Patel    |
| 9. Chandan Gupta    | 18. Shani Kumar      |                     |
|                     | 19. Sashank Rai      |                     |

# Posting in Different Department

## From - 09:00 Am To 5:00 Pm

Sr. No.	Department
Department of Cardiology (Lari)	
1.	Old ICU
2.	Emergency
3.	ECHO Lab
4.	TMT Lab
5.	Holter
6.	Cath-Lab
7.	New Block (ICU)
8.	OPD

# Modified Lecture Schedule For First Year

1	Introduction of circulatory system	23	Basics of ECG
2	Sternum, ribs, Mediastinum & dorsal vertebrae	24	Normal ECG – I
3	Gross anatomy of heart	25	Normal ECG – II
4	Histology of heart	26	Abnormalities of ECG – I
5	External structure of heart	27	Abnormalities of ECG – II
6	Great Vessels	28	Using multi parameter monitor
7	Heart Chambers	29	Basic of TMT – indication, Protocols
8	Heart valves	30	Holter recording, Interpretation
9	System & pulmonary circulations	31	Ambulatory BP Monitoring
10	Blood Supply of heart	32	Echo – Machine & Probes
11	Neural Supply of heart	33	Echo – basics of technique
12	Cardiac cycle	34	Code blue cardiac arrest
13	Cardiac output & stroke volume	35	BLS & CPR
14	Cardiac Sounds	36	Role of Cardiovascular Technician
15	Conduction system of heart	37	prevention cross infection
16	Blood pressure	38	Invasive monitoring
17	Pulse	39	Defibrillators
18	General structure of arteries, veins & capillaries	40	Radiation safety & precautions in cath lab.
19	Arterial & venous tree of body	41	Sterilization & disinfection
20	Temperature Monitoring	42	hand hygiene and method of hand washing
21	Respiration Monitoring	43	Emergency Drugs
22	ECG machine & recording		

# Modified Lecture Schedule For Second Year

1	History Taking	22	Emergency Medicines
2	General Examination	23	Defibrillators
3	Cardiovascular examination	24	BLS
4	Filling Case Sheets, Medicolegal documents	25	ACLS
5	Common Clinical words	26	Radiation Safety
6	Hypertension and Hypertensive Emergencies	27	Cath Lab Protocols.
7	Cardiogenic shock	28	Coronary Catheterization
8	Heart Failure	29	Coronary Angiography
9	Cardiac Arrest	30	Coronary Angioplasty
10	Ischemic Heart disease	31	Temporary & Permanent Pacemaker
11	Valvular Heart Disease	32	EPS & RFA
12	Rheumatic Heart Disease	33	Non Coronary Interventions
13	Congenital Heart Disease	34	Cath Lab Equipments and Instruments
14	Bradyarrhythmia	35	Pre and post op patient care
15	Tachyarrhythmia	36	steps of Procedure - basics
16	Infective Endocarditis	37	Patient monitoring in ICU
17	Pericarditis and Pericardial effusion	38	ECG machine
18	Myocarditis and Cardiomyopathies	39	Echo Machine
19	Epidemiology of Heart Disease	40	TMT Machine
20	Preventive Cardiology	41	Holter Machine
21	Cardiac drugs		



# Practical Topics For First Year And Second Year

## First Year

1	Care of unconscious patient
2	Monitoring Pulse & BP
3	Monitoring respiration & Temperature
4	Using cardiac monitors and their function
5	Invasive monitoring
6	ECG procedure - indications and lead placement
7	ECG - single channel and multichannel machines
8	Taking ECG and Lead Positioning
9	ECG demonstration - Basics nomenclature rate arrhythmia
10	ECG demonstration - Brady arrhythmia
11	ECG demonstration - tachy arrhythmia
12	ECG demonstration - MI
13	ECG demonstration - Miscellaneous
14	Echocardiography machine and probes
15	Echo - procedure (as assistant) and patient care
16	TMT - machine and lead placement, patient care
17	TMT - protocols and interpretation
18	Holter recording - applying leads and patient care
19	Holter - indications and interpretation
20	Drug administration - routes
21	Intravenous access - placing I/V lines and fluid rates

## Second

1	IM Injection
2	IV Injection
3	SC Injection
4	Use of infusion pump
5	Nebulization
6	Oxygen therapy
7	Ventilator management
8	Use of defibrillator
9	BLS
10	ACLS - I
11	ACLS - II
12	Use of TMT machine
13	Use of Echo machine & techniques
14	Holter machine application & use
15	Ambulatory BP monitoring & application
16	Use of kits/cards for troponin measurement
17	Cardiac Cath lab - Inventory
18	Cardiac Cath Lab - procedures
19	Cardiac Cath Lab - Pre & post procedure & patient care
20	Use of emergency drugs.

# Posting Schedule

PERIOD	OLD ICU	TMT\ Holter/ ECHO	NEW BLOCK	CATH LAB	US Ward
19.02.2021 to 30.03.2021	A	B	C	D	E

Morning Posting Timing 08am to 01pm

**(Batch-I)**

Ravikesh Kumar Yadav	Suraj Singh	Shrishti Pal	Muskan Agrahari	Sadhvi Rajawat
Diwakar	Pratibha	Shivani	Shraddha Gupta	Neeraj Kumar Srivastava
Kartika Devi	Rashika	Kalindi	Vishal Sharma	

Evening Posting Timing 01pm to 06pm

**(Batch-II)**

Group A	Group B	Group C	Group D	Group E
Archana Devi	Km Aksha	Reema Bharti	Dileep	Sachin
Damini Sharma	Arpita	Ankit Kumar Nigam	Ujala Shakya	Tarun Prakash Sharma
Ruchi Verma	Nikhil Kumar	Reema Bharti	Priyanshi Shukla	Abhishek Kumar

**C.C.:-**

1. Dean, Paramedical Faculty, KGMU, Lucknow
2. Notice Board, Department of Cardiology, KGMU,  
Lucknow

# Teaching Facility

- **Classrooms**- For DCT Students Have One Library With 30 Number Of Chairs And A Seminar Room With Capacity Of 60 Person
- **Projector**- We Use Projector And Blackboard For Teaching And Training Purpose.
- **Seminar Rooms**- All Guest Lectures And National Days Are Held In Seminar Room.
- **Drinking Water** Facility Is Available

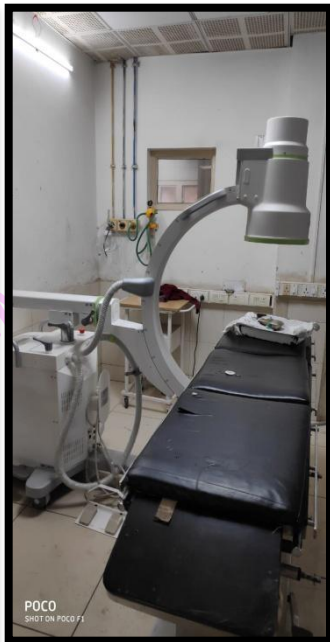
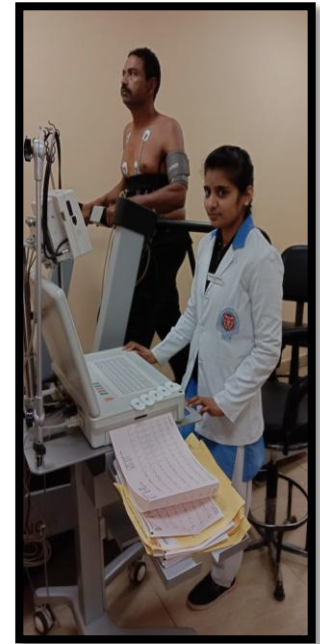
**Class Room**



**Seminar Hall**



# Demonstration





# Extra Activities



## Demonstration Machine



**Glucometer**



**Cath Lab**



**Fluoroscopy**



**TMT Machine**



**Echo Machine**

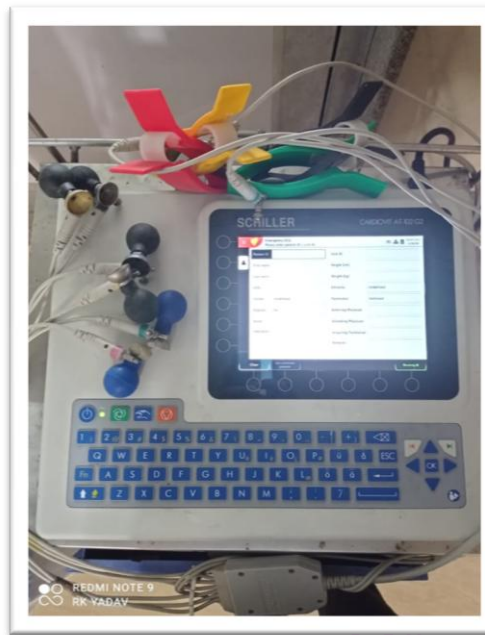


**Cardiac Monitor**





**Therma meter**



**ECG Machine**



**Oxygen supply**



**Defibrillator**



**Temporary Pace Maker**



**Ventilator**

## Links-

- <https://goo.gl/maps/ubHJdr9gkDYg4Z3UA> (Teaching Block Kalam Centre)
- <https://goo.gl/maps/FxhAtrat76bGxw1FA> (Administrative Block)
- <https://goo.gl/maps/U3Px1XR5YHCKjHqy5> (Cafeteria)
- <https://goo.gl/maps/QZ9s9xnvSiVMJXyi7> (Brown Hall KGMU)
- <https://goo.gl/maps/9v44B1DRmSzpbDww8> (Atal Bihari Vajpayee Convention Centre)
- <https://goo.gl/maps/i7mB1CFGDoChcv41A> (Department Of Pathology)
- <https://goo.gl/maps/xCoMkR5eN8qAPrat7> (Department Of Microbiology)
- <https://goo.gl/maps/GVFrVfMryLVxsL7k7> (Gandhiward KGMU)
- <https://goo.gl/maps/85kwouaPsGd2HEim6> (Department Of General Surgery)
- <https://goo.gl/maps/TvExugsrAZ7GFRSPA> (Lari Cardiology)
- <https://goo.gl/maps/ziERanEDFtr8Kg1W8> (Radio diagnosis)
- <https://goo.gl/maps/KdU3Gh9DaLZzhfzc7> (Ophthalmology)



## Links-

<https://goo.gl/maps/FwyfWSYgmPQk8EiS9> -(Shatabdi Phase2)

<https://goo.gl/maps/YRtaDMRfbPPVSpdr9> -(Trauma Centre)

<https://goo.gl/maps/cKyynmZSJFccZWZ49> -(Shatabdi DBTT)

<https://goo.gl/maps/B3ejYAaUyyHrBbDX6> -(Sp Ground)

<https://goo.gl/maps/VWmLjbKuugaexKAP8> (Department Of Community Medicine )

<https://goo.gl/maps/S7yCAfHKdUx57bV19> ( Department Of Physical Medicine And Rehabilitation )

<https://goo.gl/maps/C3BmB2gU1oYLjAQR7> ( Department Of Anatomy )