

# MBBS in NEPAL

## 26 Years old Medical College



International Society for Medical Education Pvt. Ltd.

## COLLEGE OF MEDICAL SCIENCES-NEPAL

P. O. Box : 23, Bharatpur, Chitwan, (Dist.), NEPAL

00977-9801998019/9801563999, 00977-56-528808/524203

0091-9717760338/9393133666



(Affiliated to Kathmandu University & Recognized by Nepal Medical Council)



# COLLEGE OF MEDICAL SCIENCES

## Chairman

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**Mr. Nagendra Pampati**  
Chairman

A sophisticated & unique individual hailing from an aristocratic family of Hyderabad, India.

He took his MBA from Boston, USA and is a strong willed individual. He is the chief architect, planner and human resource generator for the 700 bed Hospital of CMS. His strong convictions of achieving excellence in Medical Education, genteel & cheerful demeanor is unlike that of a financier. He brought in academicians par excellence of varied specialty, from different geographical legions & cultural disposition.

These steps ensured, that students not only become quality clinicians but also social leaders.

## Director

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A student of the first batch of MBBS graduates of CMS, he assumed administrative powers to ensure a smoother liaison and understanding between human resources, technological development and health services planning. He hail from Tirupati, in South India and his dynamism has made CMS work cohesively, to achieve global standards fo health services and education. Being young, he has provided opportunity for the institution to harbor thoughts from the spirited & enthusiastic younger generation of doctors while keeping the guidelines drawn from the experienced & foresighted professors.

Easy accessibility to him has made parents, students, doctors, academicians & others comfortable for quick decision & problem solving.



**Dr. V. Nataraj Prasad**  
Director



## COLLEGE OF MEDICAL SCIENCES

# FIRST

to start DM Programme in the country along with eight other Super-speciality courses

- 2009-2012 DM (Neurology)
- 2010-2013 DM (Nephrology)
- 2010-2013 DM (Cardiology)
- 2010-2013 M.Ch (Neurosurgery)
- 2010-2013 M.Ch (Urology)
- 2010-2013 M.Ch (CTVS)
- 2011-2014 D.M (GI Medicine)
- 2011-2014 M.Ch(GI Surgery)



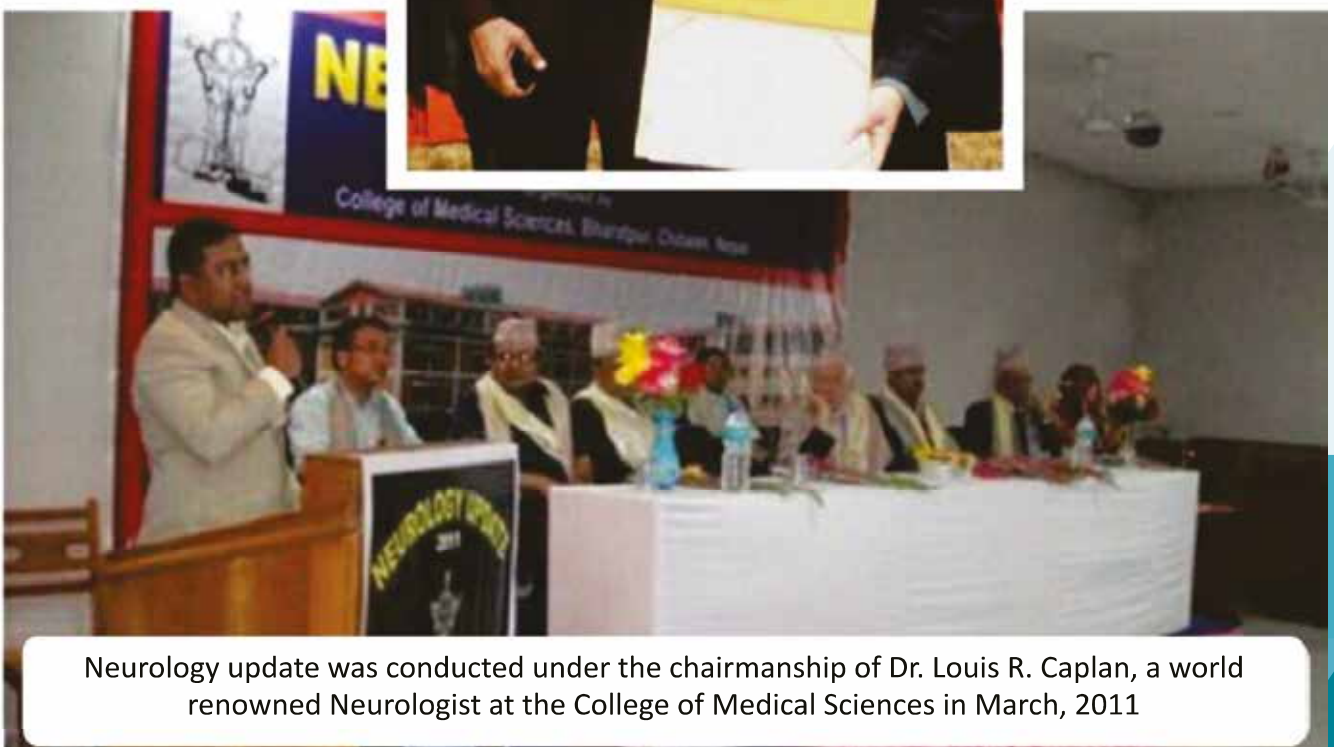




## COLLEGE OF MEDICAL SCIENCES

# FIRST

DM(Neurology) course was started in the entire country by Kathmandu University in college of Medical Sciences under Prof. PVS Rana and produced first DM (Neurology) graduate Dr. Raju Poudel



Neurology update was conducted under the chairmanship of Dr. Louis R. Caplan, a world renowned Neurologist at the College of Medical Sciences in March, 2011



## COLLEGE OF MEDICAL SCIENCES

### First

in the world to develop an innovative Cisternostomy technique by a world renowned Neurosurgeons in CMS which has replaced an age old Decompressive hemicraniectomy.





**COLLEGE OF MEDICAL SCIENCES**

# FIRST

Medical College to start Cath-Lab services (March, 2011) and to perform first angiography and angioplasty (March, 2011) out side Kathmandu

The Department of Cardiology has performed 700 angioplasties and 2000 coronary angiograms and placed 40 permanent pacemakers.

Stenting to the left main coronary artery done which is the first in Nepal (December, 2011)







## COLLEGE OF MEDICAL SCIENCES

# FIRST

to do Open Heart Surgery out of  
Kathmandu Valley on 10th Dec 2014





**COLLEGE OF MEDICAL SCIENCES**

# FIRST

to Perform Kidney Transplantation  
at a Private health institution on  
April 25, 2015

- The In-house team performed the renal transplantation on 24th and 25th April, 2015
- The second day coincided with the devastating April 25 Gorkha Earthquake







## COLLEGE OF MEDICAL SCIENCES

# FIRST

to start free Hemodialysis Services  
outside Kathmandu Valley

- In 2007- Hemodialysis Started with 4 machines
- In 2012-Government's free Hemodialysis Programme
- In 2014 December- Extension of service with 12 Hemodialysis Machines
- Another 6 machines will be added very soon





**COLLEGE OF MEDICAL SCIENCES**

## FIRST

Teaching Hospital to have the  
100-bedded ICU, largest in the country  
in the year 2009



## FIRST

Hospital to be recognized as SAARC Surgical  
Hospital in the entire SAARC Region





## COLLEGE OF MEDICAL SCIENCES

# FIRST

to start CT & MRI in private medical colleges in Nepal and again outside the Kathmandu Valley

- Dual slice CT (Siemens Somatom Spirit) - 2005
- 0.35 Tesla MRI (Siemens Magnetom) - 2008
- 165 Slice CT (Toshiba Prime Aquillion) - 2015
- 3 Tesla MRI (Siemens Magnetom Spectra) - 2015





# College of Medical Sciences

## A Dedicated Institution for Human Health



### Salient features of the Colleges of Medical Sciences-Nepal

Until now 19 batches of MBBS students graduated and the 20<sup>th</sup> batch of students are in Internship Program. The admissions for the 26<sup>th</sup> batch has been started

Courses offered: MBBS, MD/MS, DM/M.Ch, BDS, B.Sc (Nursing) and other para medical courses

MBBS Program started in the year 1996 and 2213 students graduated, MD/MS program started

in the year 2007 and 290 students graduated, DM/M.Ch Program started in the year 2007 and 34 students graduated and BDS program started in the year 201 and 178 students graduated.

First Teaching Hospital to have a 100 bedded ICU which is the largest in the country since 2009

First to perform Kidney Transplantation services in the private health sector

First to perform Open Heart Surgery out of Kathmandu valley

First to start CT & MRI services in a private medical college and first outside Kathmandu valley

First to start DM/M.Ch Programmes in the country along with eight other Super speciality courses like;

DM(Neurology), DM (Nephrology), DM(cardiology), DM (GI Medicine) M.Ch (Neurosurgery), M.Ch (Urology), M.Ch (CTVS), M.Ch (GI Surgery).

First medical college to start Cath-Lab services in the year 2011

First medical college to start free Haemodialysis services outside Kathmandu

First to start Tesla MRI & 160 slice CT scan services out of Kathmandu valley

First Hospital which has been recognized as SAARC Surgical Hospital in the entire SAARC Region by the SAARC Surgical Society in the year 2012

Completely Central Air Conditioned Hospital in the country

Completely non-referral multi speciality tertiary care hospital in Central Nepal



## Eligibility Criteria

Completed 10+2 years of education or equivalent with minimum of 50% of marks in each subjects of Physics, Chemistry, Biology (PCB)

## OR

Completed Bachelor of Science Degree, recognized by the University, with one of the following subjects viz, Physics, Chemistry, Biology and at least one other prescribed science subject of study up to the ancillary level and having scored not less than an overall aggregate of 50% marks, provided that such candidate shall have passed the earlier qualifying examination (10+2 or an equivalent examination) with the subjects of Physics, Chemistry and Biology

## MBBS Programme Course Suration

### Five and Half Years:

**Pre-Clinical:** Two Year (4 Semesters)

**Clinical:** Two and Half Years (5 Semesters)

**Internship:** One year of compulsory rotating residential

The first four semesters are devoted to the study of Pre Clinical Sciences Disciplines are Physiology, Microbiology, Pathology, Pharmacology, Anatomy, Biochemistry, Community Medicine. The students are also introduced to clinical knowledge and skills with a subject of introduction to Clinical Medicine. The teaching learning experiences in the Community Medicine is from first through to seventh semester.

The Clinical Sciences subjects are taught from fifth to ninth semesters. The teaching learning experiences in Forensic Medicine, Otorhinolaryngology & Ophthalmology done in sixth and seventh semester. The subjects of Medicine and allied subjects, Surgery and allied subjects, Obstetrics & Gynecology and Pediatrics are taught from fifth to ninth semester.

## Selection Criteria

The selection of the candidates is by:

- Nepali Citizens: Entrance examination & counseling.
- Nomination from Nepal Government: As per Ministry of Education (MOE) any successful candidates, who seek admission under MOE scholarship in the colleges under Kathmandu University must sit for KU entrance test. Those candidates will be selected by MO as per their selection criteria after successful in KU entrance test.
- Foreign Citizens: Entrance Examination & Counseling or Candidates passing recognised entrance test of concern year of MBBS/BDS programme in their respective country internationally recognised test will be eligible for admission in the respective programme of Kathmandu University

## Hostel & Mess

Furnished and secured Hostel facilities separately for boys and girls are available with in-house mess catering.

## Commitments

Best Academic Culture, Good discipline, personal attention to each student. Committed for making good doctor and good human being.

## Travel by Road:

Nearest Rly Station Gorakhpur (UP), Raxual (Bihar), Newjalpai Gudi (North East)

**AIR:** Domestic flights till Gorakhpur (UP) or International flight to Kathmandu and Kathmandu to Bharatpur (Domestic)





# UNIVERSITY EXAMINATION & CURRICULUM

**I MBBS University Examination** - at the end of II semester in Pre Clinical subjects of Anatomy Physiology, Biochemistry, Pathology, Pharmacology, Microbiology will be examination in the following systems:

## University Examinations

The University Examination will consist of theory papers and practical/clinical subjects including viva-voce, OSPE/OSCE.

### Eligibility Criteria for appearing in the University Examinations

- Attendance: Minimum 80% of attendance in all theory papers and practical/clinical subjects separately.
- Students must secure minimum of 50% marks in each theory paper and Practical/Clinical subject separately in internal assessment.

### The University will conduct MBBS Examinations as follows

- Regular Examinations at the end of II, IV, VII & IX Semesters.
- Compartmental Examination- Six months after the regular University Examinations.

## Pre-Clinical Sciences

### I MBBS University Examination

Theory papers and Practical subjects - At the end of II Semester.

#### Theory

Four theory papers of following system in Pre-Clinical Science subjects of Anatomy, Physiology, Biochemistry, Microbiology, Pathology and Pharmacology as given in the table below:

| Papers    | Systems/Papers  |
|-----------|---|
| Paper I   | Basic concepts, Genetics, Immunology and Immune system                    |
| Paper II  | Autonomic Nervous System, Musculoskeletal System and Integumentary System |
| Paper III | Haemopoietic System and Cardiovascular System                             |
| Paper IV  | Respiratory System  |

#### Practical

Six Practical Examinations will be conducted subject-wise in Anatomy, Physiology, Biochemistry, Microbiology, Pathology and Pharmacology.

### II MBBS University Examination

Theory papers and Practical subjects - At the end of IV Semester:

#### Theory

Six theory papers out of which four (V-VII papers) of following systems in Pre-Clinical Sciences subjects of Anatomy, Physiology, Biochemistry, Microbiology, Pathology and Pharmacology, along with two papers consisting of Community Medicine part I and Introduction to Clinical Medicine as given in the table below:

| Papers     | Systems/Papers  |
|------------|---|
| Paper V    | Gastrointestinal and Hepatobiliary System                       |
| Paper VI   | Renal - Electrolyte System, and Endocrine and Metabolism System |
| Paper VII  | Reproductive System   |
| Paper VIII | Central Nervous System and Special Senses                       |
| Paper IX   | Introduction to Clinical Medicine                               |
| Paper X    | Community Medicine  |

#### Practical

Eight Practical Examinations will be conducted, out of which six are subject-wise: Anatomy, Physiology, Biochemistry, Microbiology, Pathology, Pharmacology, and two other subjects in Community Medicine Part I and Introduction to Clinical Medicine.



## Clinical Sciences (Part II)

- Community Medicine, Forensic Medicines, Otorhinolaryngology and Ophthalmology will have one paper each.
- Medicine and allied subjects and surgery and allied subjects will have two papers each in theory.
- Pediatrics and Obstetrics & Gynecology will have one paper each.
- III year MBBS University Examination will be held at the end of VII Semester in 'Community Medicine Part II, Forensic Medicine , Otorhinolaryngology and will have marks distribution as follows. Theory marks 100 and Clinical marks 100 (Total marks 200) in each subject.
- Final MBBS University Examination will be held at the end of IX Semester in Medicine and allied subjects, Surgery and allied subjects Obstetrics & Gynecology and Pediatrics. The marks distribution will be as follows.
  - Theory marks 200(two papers) and Practical/Clinical marks 100 (Total marks 300) for Medicine and Surgery. Students have to pass both papers and Clinical Examinations separately to pass the subjects.
  - Theory marks 100 and Practical/Clinical marks 100 Total marks 200 for Obstetrics & Gynecology and Paediatrics.
- Theory Papers shall be of three hours duration and pattern of question papers will include.

|                                |              |
|--------------------------------|--------------|
| Multiple Choice Question (MCQ) | 30x1=30      |
| Short Answer Question (SAQ)    | 05 x 6 = 30  |
| Problem Based Question (PBQ)   | 02 x 10 = 20 |
| <b>Total</b>                   | <b>80</b>    |

- Clinical Examination:**
  - Clinical exercises/cases relevant to the objective of the curriculum should be identified.
  - Emphasis should be on identifying common health problems in the community.
  - The Clinical Examination shall consists of:

|              |           |
|--------------|-----------|
| OSCE         | 15        |
| Viva voce    | 15        |
| Short case   | 20        |
| Long case    | 30        |
| <b>Total</b> | <b>80</b> |

Examination of MBBS program is done as follows:

### Evaluation

### Weight age percent Theory Clinical

|                        |     |     |
|------------------------|-----|-----|
| Internal Assessment    | 20% | 20% |
| University Examination | 80% | 80% |

## Recognition of Merit

- A candidate passing the University Examination in the first attempt and securing 80% or more in Theory and Practical/Clinical combined in a subject shall be awarded distinction in that subject irrespective of his aggregate marks in other subjects.
- The merit award in the subjects of Pre clinical sciences excluding Community Medicine will be calculated on the combined part I MBBS and part II MBBS University Examinations for each subjects.
- The merit award in the subject of Community Medicine will be calculated on the combined Part II MBBS and Part III MBBS University Examination.
- The Merit award for the Final MBBS University Examination will be given even if a candidate passes one or more subjects in Compartmental Examinations for I, II and III Examinations within the minimum stipulated time of four and half years.

## Promotion

We would also like to highlight the following general rules of evaluation for MBBS programme of Kathmandu University which is uniformly applicable to all students despite their nationalities.

- Students must complete all theory papers and practical subjects of I and II MBBS within four and half years from the date of admission.
- No student shall be permitted to join clinical sciences(5th Semester) until he/she has passed all theory papers and all practical subjects of pre-clinical sciences.
- All requirements of pre-clinical sciences of MBBS programme have to be completed within four and half years from the date of admission. Failing to do so will lead to automatic dismissal from the programme.
- A student will not be allowed into semester IX until he/she have passed Community Medicine, Forensic Medicine Ophthalmology and Otorhinolaryngology.
- All requirements of MBBS programme have to be completed within ten years from the date of admission. Failing to do so will lead to denial of the degree.



सर्वभूतहिते स्ताः

ESTD. 1993

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+977-9801998019/9801563999, +977-56-528808/524203

+91-9717760338/9393133666

✉ [info@cmsnepal.edu.np](mailto:info@cmsnepal.edu.np) 🌐 [www.cmsnepal.edu.np](http://www.cmsnepal.edu.np)

