

## SECTION II



## Medical Fellowship Courses, Nursing Fellowship & Post-Diploma Programmes

CHRISTIAN MEDICAL COLLEGE - VELLORE



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## MEDICAL POSTGRADUATE TRAINING PROGRAMMES

### CMC FELLOWSHIP/CERTIFICATE PROGRAMMES

#### Post MBBS/BDS Fellowships

Course	Duration	Eligibility	No. of seats*
Accident and emergency	2 years	MBBS	6
Diabetes **	2 years	MBBS	1
Family medicine	2 years	MBBS / Diploma	2
General Dentistry	2 year	BDS	4
Palliative Medicine	1 year	MBBS/Dip/MD/DNB	2

The selection for the courses listed above will normally be in March.

\* Variable number. Check relevant admission bulletin for exact number.

\*\*Please refer course write-up under Post Doctoral Fellowship in Diabetes on page no.50.

- Please refer course write-up under Post Doctoral Fellowship in Neuro-Rehabilitation on page no.56.

### POSTGRADUATE FELLOWSHIP IN ACCIDENT & EMERGENCY MEDICINE

This is a two year in-service training for graduate MBBS doctors interested in handling emergencies and early



management of trauma. The training experience would be predominantly in the department of Accident & Emergency Medicine, a 40-bedded independent clinical unit which handles about 120 adult emergencies every day. About 15 cases of medico-legally significant trauma are registered daily. This centre is recognised by the WHO as the South-East Asian Regional Training for Emergency Medicine and is presently the largest such department in the country. The curriculum also includes rotations in the various units of the Division of Critical Care Medicine, as well as Paediatric Emergency Department.

The Fellowship course is recognised and certified by CMC, Vellore. Selected candidates will be paid a consolidated monthly stipend and provided shared accommodation within the CMC Campus, subject to availability. During the tenure, trainees are expected to complete a scientific research project, maintain a log book and qualify in theory and clinical examinations in the first and second years of their training.

### POSTGRADUATE FELLOWSHIP IN FAMILY MEDICINE (2 YEARS)

Family Medicine is a specialty in which graduate doctors are trained to be **multiskilled** practitioners dealing with a wide variety of illnesses which present commonly at the primary care level. Primary care is the need of the hour in our country. A competent multiskilled primary physician should be able to provide evidence based, accessible and affordable care for 90% of the illnesses seen in a community.



The fellowship in Family Medicine offered by CMC Vellore seeks to address this need. This two year training Programme offers the opportunity to become a multiskilled primary care physician who will be able to take care of most of the illnesses that walk in through the clinic door in a caring and competent way. The training will take place in the primary care units as well as in the specialty departments of CMC. The students will learn both the theory and practice of the subject through practical hands on training.

### **POSTGRADUATE FELLOWSHIP IN GENERAL DENTISTRY**

General Dentistry is the discipline of dentistry which covers all aspects of the subject and enables the practicing dentist to cater to the needs of most of the patients attending his or her practice. The General Dentist not only needs to be a multi competent practitioner but also needs to know what cases and situations are outside of his/her competency and refer such cases to concerned specialists.

This two year fellowship is aimed at enabling trainees to gain understanding, improve skills and develop attitudes which will benefit them in their later role and career as a practicing general dentist, hospital dentist or dental specialist. The course will cover most of the fields of dentistry avoiding rigid compartmentalization. The focus will be on providing comprehensive and quality care to patients. The clinical and academic training is geared towards achieving this end.

Clinical training includes rotation through different sections of the dental department across the year, with emphasis on training in the clinical skills of diagnosis, treatment planning, and follow up of patients. Trainees will work in a team under the guidance of specialists and clinical supervisors. Opportunity will also be available for work in individual practice and community settings. Candidates will learn principles of dental management of medically compromised patients in a hospital setting. Trainees will have opportunity to work up patients requiring comprehensive dental care including cross specialty planning and decision making. They will get to assist the oral and maxillofacial surgeons for casualty, ward and theatre duties to obtain skills in hospital dentistry. The program also provides experience in 4 handed dentistry, office safety measures, practice management and electronic records

Academic training will include small group discussions and didactic lectures. Teaching will be clinical problem oriented and focused on developing self learning, logical skills and decision making. Each trainee will be required to complete a clinical or management audit during the course. The candidates will maintain logbook entries (electronic) of procedures done.

The annual intake for this fellowship is 4 and is open to those who have completed their BDS (Tamilnadu Dental Council registration required). The selection is through entrance examination and interview.

### **POSTGRADUATE FELLOWSHIP IN PALLIATIVE MEDICINE**

The Postgraduate Fellowship in Palliative Medicine is a one year fulltime residential course that will cover the clinical, psychosocial and ethical aspects of palliative care as well as teaching and leadership skills. The goal of the fellowship is to train doctors to learn, incorporate and teach the principles of palliative care, ethics and communication skills in clinical practice. Candidates with M.B.B.S Degree are eligible to apply for the fellowship.



Candidates with postgraduate qualifications (diploma/ MD/DNB) are also invited to apply. The course will cover subjects such as pain, gastrointestinal, respiratory, ENT and genitourinary symptoms, emergencies, psychiatry, terminal care, HIV/ AIDS, chronic oedema, wound care and paediatric palliative care. Communication, professional and management skills, teaching skills, ethics, spirituality, teamwork and models of palliative care are the other subjects covered during the course. Learning opportunities also include academic writing, accessing and using information and clinical guidelines.

The fellowship candidates will be part of the Palliative Care team at CMC Vellore and will participate in the clinical and educational activities. They will be involved in the work of the palliative care clinic, inpatient care, home care and hospice. The in-service training will also include on-call duties in the hospital and the hospice.

### POST DOCTORAL FELLOWSHIPS

Course	Duration	Eligibility	Seats*
Advanced Gastrointestinal Endoscopy	1 year	completed 3 year DM/DNB in Medical Gastroenterology	2
Advanced Training in Oral and Maxillo-Facial surgery	2 years	MDS( <i>oral and maxillo-facial surgery</i> )	2
Allergy, Asthma and Immunology	2 years	MD/DNB in Resp. Med/Gen Med	3
Fellowship in Bone Marrow and Stem cell Transplantation	2 years	DM Hematology/Oncology	2
Cardiothoracic Anaesthesia	1 year	MD/DNB Anaesthesia	2
Adolescent Psychiatry	2 year	MD/DNB in Psychiatry	2
Clinical Embryology	2 years	MD/DNB/MS in O&G/Path/Micro/Anat/Physiol/PhD in Biomedical Sciences	1
Clin Immunology & Rheumatology	2 years	MD/DNB Gen Medicine/Paediatrics	2
Clinical Genetics	2 years	MD/DNB Gen Med/Paed/Biochemistry	1
Critical Care Medicine	2 years	MD/DNB Gen Med/Anae/Pul Med/Resp Med/MS/DNB Gen Surg/Ortho	8
Cytogenetics	2 years	MD Pathology or other specialty/PhD	1
Diabetes	1 year	MD General Medicine	2
Endocrinology	2 years	MD/DNB General Medicine/Paediatrics	2



Endocrine Surgery	2 years	MS General Surgery	1
Haematopathology	2 years	MD/DNB Pathology	2
Hand Surgery	1 year	MS/DNB Ortho / MCh Plastic Sur/ MS Gen Sur	2
Infectious Disease	2years	MD/DNB General Medicine	2
Molecular Haematology	2 years	MD/PhD/DNB any subject	1
Neuro Anaesthesia	1 year	MD/DNB Anaesthesia	2
Neuropathology	2 years	MD Pathology	1
Neuro-Rehabilitation	2 years	MD/DNB PMR	3
Paediatric Intensive Care	2 years	MD/DNB Paediatrics DCH	1
Paediatric Orthopaedics	2 years	MS Orth/DNB Orth	2
Pulmonology	2 years	MD/DNB Respiratory Med	3
Radiology (Cross Sectional Imaging)	1 year	MD/DNB Radiology (with 1 year experience)	1
Radiology (Interventional & Vascular Imaging)		MD/DNB Radiology (with 1 year experience)	1
Reproductive Medicine	2 years	MD/MS/DNB (OG)	2
Spinal Disorder Surgery	2 years	MS Orth/DNB Orth	2
Vascular Surgery	1 year	MS/DNB General Sur	1

The selection for the courses listed above will normally be in August.

\* Variable number. Check relevant admission bulletin for exact number.

### **POST DOCTORAL SENIOR FELLOWSHIP IN ADVANCED GASTROINTESTINAL ENDOSCOPY**

The advanced Gastrointestinal Endoscopy Fellowship is designed to provide comprehensive training and acquisition of skills in diagnostic and therapeutic endoscopy procedures. The course will help in integration of endoscopy in diagnosis and management of gastro-intestinal and hepatobiliary disorders. The course content includes:

- Acquire technical skills in performing diagnostic and therapeutic *ERCP*, Endoscopic ultrasound, interpreting findings as well as recognizing and treating complications.
- Understanding basic physics and principles of endoscopy.
- Understanding principles, techniques and complications of conscious sedation/analgesia.
- Esophageal and ano rectal manometry
- Reprocessing and maintenance of endoscopes and accessories.

On completing the course, the Gastrointestinal Endoscopy fellow will have had comprehensive training in diagnostic and therapeutic endoscopy procedures, develop ability to work as part of a multi disciplinary team and will have appreciation of humanistic and ethical aspects of medicine.



## POST DOCTORAL FELLOWSHIP IN ORAL AND MAXILLO-FACIAL SURGERY

This course was started with the objective of training oral and maxillo-facial surgeons to develop competence in clinical decision making and relevant surgical skills in the environment of a tertiary care centre. The fellowship will involve in-service training at the Department of Dental and Oral Surgery for a period of 2 years. The post will have academic, service and teaching responsibilities in the role of a specialist senior registrar. The candidates will have the opportunity to work not only in dental surgery but also inter-related specialties such as other dental specialties, ENT, Plastic Surgery, Head and Neck surgical Oncology, Radiotherapy, Anaesthesia, Intensive care and Emergency Medicine.

The training will be through a process of clinical mentoring and apprenticeship. The trainee will maintain a log book of work in the department. There will be periodic assessments of skills in diagnosis and treatment planning. Academic activities such as journal reviews, clinical meetings and publications will be encouraged. Training includes documentation in electronic databases and maintenance of case files for presentation of comprehensive clinical management. Clinical research through audit of maxillofacial database will be required.

**Eligibility :** Master of Dental Surgery (MDS) (oral and maxillo-facial surgery).

## POST DOCTORAL FELLOWSHIP IN ALLERGY, ASTHMA AND IMMUNOLOGY

### Introduction

The fellowship programme in allergy and immunology is designed to prepare specialists to provide expert medical care for patients with allergic and immunologic disorders. The fellows are expected to acquire skills to work as consultants in teaching institutions and academic respiratory practices. While fellows should develop specific competencies primarily in the care of adult patients, they would also get exposure to the management of paediatric patients.

### Course content:

The training will run parallel with the pulmonology program covering patient care activities, a range of departmental academic and inter departmental meetings, journal club, teaching of undergraduates and research. It would be mandatory to perform a research project and prepare a thesis as well as write up one case report for publication, for successful completion of the programme. The lab skills taught will include spirometric pulmonary function tests, bronchoprovocation test, allergen skin test and immunotherapy. The fellows will be posted in paediatrics, ENT, dermatology, rheumatology and the critical care units and the immunology lab. The trainees will be permitted to attend lectures and practical session under the supervision of external (national and international) faculty, along with the distance education trainees and concurrently qualify for the diploma in allergy and asthma (DAA).

### Eligibility and duration:

Applicants should have successfully completed a post graduate program MD/DNB in respiratory medicine, general medicine or paediatrics.

The duration of the educational program is 24 months.

**Intake:** 3 fellows for 2011-12



### FELLOWSHIP IN BONE MARROW AND STEM CELL TRANSPLANTATION

Stem cell transplantation is a component of the super-specialty training in both Clinical Hematology and Medical Oncology. However, the field has advanced significantly and it is increasingly recognized that for those who intend on continuing to do stem cell transplants after their training are inadequately equipped with the existing training programs. It is widely recognized that an additional two years of training and experience is required to make post doctoral candidates competent to carry out stem cell transplantation independently. At the department of Haematology, Christian Medical College we have had a stem cell transplant program since 1986. We are currently the largest stem cell transplant program in the country and do about 100 allogeneic and 40 autologous stem cell transplants a year. The support systems and personnel for this program are well established. The fellowship program will encompass all aspects of stem cell transplant, from disease specific risk benefit assessment, optimizing conditioning and GVHD prophylaxis regimens, management of infections, apheresis and cryopreservation, molecular, blood bank and laboratory training relevant to this field with significant hands on experience and research opportunities. There will be significant experience gained in the management of acute and chronic complications post transplantation. At the end of this training period the candidate will be able to independently run a large transplant program. It is our endeavor to ensure that our students succeed and towards this we maintain our mentorship with logistic and continuing training programs even after the course is completed. Considering the current requirements in this country and the lack of trained physicians in this field, we are confident that at the end of this training program there will be no dearth of opportunities for the candidate to continue work in this area.

Eligibility: DM in Haematology/Oncology

Duration: 2 years

No. of seats: 2

### POST DOCTORAL FELLOWSHIP IN CARDIOTHORACIC ANAESTHESIA

The course involves training in state of the art technique of anaesthesia for cardiothoracic procedures. It will help the trainee to develop procedural skills in central venous, cannulates, intra – arterial cannulations, P.A. catheter placement, use less invasive cardiac output monitoring techniques and understand and carry out the management of cardiac transplant donors & recipient. There will be opportunity for clinical and basic science research and they will be encouraged to publish their work in peer reviewed journals.

At the end of the course there will be an internal assessment, evaluation of log book, written and viva-voce examinations.

Duration: 1 year

Eligibility: MD/DNB Anaesthesesia

No. of seats: 2



## POST DOCTORAL FELLOWSHIP IN CHILD AND ADOLESCENT PSYCHIATRY

Child and adolescent psychiatry is relatively a new branch and the fellowship is a two years fulltime, intensive, in-service program designed to prepare specialists in the required clinical, research and managerial skills in the discipline. The goal is to train psychiatrists in the diagnosis and bio-psychosocial management of children and adolescents with psychiatric disorders as well as developmental disorders with mental health concerns, recognize the importance of child and adolescent psychiatry in the context of the health needs of the community and the national priorities, practice the specialty ethically and in step with the principles of contemporary health care and function as an effective leader of a health team engaged in health care, research or training. Although the experiential learning will predominantly be in the child and adolescent psychiatry unit, exposure in allied specialties like paediatric neurology, developmental pediatrics, paediatric endocrinology, paediatric oncology, community paediatrics as well as physical medicine and rehabilitation is part of the training. These rotations will enhance the trainees understanding of various physical illnesses that can present with psychiatric manifestations and the mental health needs of various physical illnesses among children and adolescents. The institution as well as the child and adolescent psychiatry unit is one of the few centres in the country with excellent infrastructure for biological, psychological and family related investigations, assessments and management. Academic sessions like grand rounds, seminars, journal clubs, case presentations, and interdepartmental clinical meetings are conducted every week as part of the teaching methods. In addition to the clinical work, candidates will receive adequate exposure to research methodology, basic statistics and paper writing skills to enable publishing their completed projects. Fellows will be encouraged to attend scientific meets and present their works. Candidates will work as post-doctoral trainees with remuneration and accommodation as per institutional rules. A formal exit exam consisting of both theory and clinical will be conducted at the end of the course. After completing the course the post doctoral fellowships will be awarded by the Christian Medical College.

Eligibility: MD/DNB in psychiatry

Course duration: 2 years

Number of seats: 2

## POST DOCTORAL FELLOWSHIP IN CLINICAL EMBRYOLOGY

This two year fellowship Programme in clinical embryology is being offered by the reproductive medicine unit. The in-vitro fertilization laboratory will be the main work area and candidates will receive training in reproductive biology with exposure to the various practical skills currently in use. They will learn to understand human gamete biology (including anthology) and will be required to achieve competence in procedures like in-vitro fertilization, intracytoplasmic sperm injection and cryopreservation techniques for gametes and embryos. Candidates will receive adequate exposure in research methodology and basic statistics, enabling them to submit a thesis which will be expected to contribute significantly to the field of





reproductive medicine. Trainees will be encouraged to attend scientific meets/conferences to present their research work. An understanding of the social and ethical aspects of IVF technology will be part of the programme. The teaching programme will include weekly paper presentations and journal club. A log book will be maintained to ensure practical involvement. Internal assessment will be made at the end of the first year while the exit exam will be conducted at the end of two years. At the end of the training period the post doctoral fellow will be able to take a central role in setting up and managing an IVF laboratory, conduct effective quality assurance programmes and trouble shoot when required.

Candidates will work as post doctoral trainees with remuneration and accommodation as per rules of the institution. After completing the course, a fellowship certificate will be awarded by the Christian Medical College.

### Eligibility

MD/ DNB/MS

1. Obstetrics & Gynaecology
2. Pathology
3. Microbiology
4. Anatomy
5. Physiology

PhD in Biomedical Sciences

Course duration : 2 years

Number of seats : 1

### POST DOCTORAL FELLOWSHIP IN CLINICAL IMMUNOLOGY AND RHEUMATOLOGY

Department of Clinical Immunology and Rheumatology provides consultation for over 30000 outpatients every year. The case mix covers the entire gamut of Systemic autoimmune rheumatic diseases in our country including those with SLE, Sjogren's syndrome, Overlap Connective tissue diseases, Vasculitic disorders, apart from Rheumatoid arthritis, Spondyloarthritis, etc.

There are inpatients, interdepartmental consultations and procedures like intra-articular injections, pulse therapy, biological therapy, salivary gland/muscle and nerve biopsy done every day in large numbers. The Institution has excellent infrastructure for investigations (both immunological & radiological). The department has musculoskeletal Sonography and trainee will have a chance to get exposure to it. They are also posted in the laboratory to understand the principles, steps and get a first hand feel of the tests.

Academic sessions are held regularly. These include paper reading (seminar), journal club, case presentations, telemedicine sessions with other reputed institutes and interdepartmental sessions with radiology, pathology and other clinical departments. The department is involved in several research projects, both intramural and extramural, including multinational clinical trials. Trainees are encouraged to present in national & international conferences. Scientific publications are mandatory for all medical staff.



There are ample opportunities for learning and during the 2 year training the candidate will get one of the best clinical experiences in the country. Candidates will be regularly assessed during the training period. He/She has to take part actively in our teaching sessions, maintain a log book, complete 2 research projects and appear in an exit exam for which there will be both internal and external examiners.

### POST DOCTORAL FELLOWSHIP IN CLINICAL GENETICS

Clinical Genetics is a relatively new branch of Medicine which caters to the diagnosis, management and genetic counseling of inherited disorders caused by single gene defects, chromosomal disorders, and rare dysmorphic syndromes with known or unknown cause, birth defects and familial multifactorial diseases.

The Unit runs an Outpatient Clinic on two days and combined specialty Clinic on two days. Interdepartmental consults are seen every day. The Unit has a molecular laboratory where diagnostic and research work is carried out. The Unit has regular interdepartmental meetings with various Clinical and Non Clinical departments. Seminars, journal clubs and case presentations are held regularly. The Unit holds regular CMEs in the field of Clinical Genetics and Dysmorphology. The Institution has excellent infrastructure for radiological, cytogenetic, molecular investigation, a neuropathology laboratory for muscle disorders and a neurochemistry laboratory for diagnosing inborn errors of metabolism.

A postdoctoral fellowship for 2 years will provide ample opportunities for training in clinical and research aspects in Clinical Genetics. Those who have completed the MD/DNB in Medicine, Paediatrics or Biochemistry are eligible. The selection process will consist of an entrance examination followed by interview for short listed candidates. The annual intake will be 1 candidate.

### POST DOCTORAL FELLOWSHIP IN CRITICAL CARE MEDICINE

Critical Care Medicine (also known as Intensive Care) is a relatively young specialty in Medicine. It is a hybrid specialty blending the knowledge and skills of internal medicine, respiratory medicine and anaesthesiology. In critical care, patients with life threatening illness resulting in organ failure are supported by artificial means (oxygen, ventilator support, inotropes, and dialysis) till they recover or succumb to their illness. The demand for Critical Care has been rising and is likely to do so in the near future because of increasing age of the Indian population, multiple co-morbidities, increasing road trauma and the increase in invasive interventions. It is well documented that trained intensivists improve outcome of critically ill patients admitted in the ICU. Intensive Care is short of trained personnel to meet the demand.

The Fellowship Course in Critical Care at the Christian Medical College is designed to fill the need for intensivists. It is a two year course with postings in Medical, Surgical, Neurology/Neurosurgery and Paediatric ICUs. In addition there are postings in Radiology, Echocardiography, Dialysis and other areas which are essential for the management of these patients. The training is an in-service training programme which ensures adequate exposure to all types of critical illness and their management. The skills needed in the care of critically ill patients are acquired during the training period. These skills include not only manual skills but also the “soft skills” – the invaluable experience of communicating to grieving and anxious families and of working as an intensive care team.

The course is open to any candidate who has completed the MD or equivalent qualification in any clinical field. The candidates are encouraged to write the exam of the Indian Society of Critical Care Medicine during the course. At the end of the course, there will be an exit exam conducted by the Christian Medical College.



### POST DOCTORAL FELLOWSHIP IN CYTOGENETICS

Cytogenetics is the study of chromosomes. Chromosomal abnormalities are an important cause of genetic disease and may be seen in a variety of conditions. Cytogenetic analysis plays an important role in the work up of patients with mental retardation, dysmorphism and abnormal development, disordered sexual development, recurrent abortions, infertility and cancer. In many cancers, especially leukemias, identification of chromosomal abnormalities is essential for making a diagnosis, planning specific treatment, and determining prognosis. Cytogenetic analysis is an important component of prenatal diagnosis.

This is an in-service training programme in a diagnostic cytogenetics service. Fellows will therefore be actively involved in all aspects of tissue processing including cell culture, harvesting, and analysis of chromosomes by light and fluorescence microscopy. The laboratory handles samples from peripheral blood, bone marrow, amniotic fluid, chorionic villus, products of conception, tumours and skin for conventional cytogenetic as well as fluorescence in situ hybridization (FISH) analysis. Cytogenetic testing for chromosome breakage syndromes is also performed. In addition, there will be exposure to basic molecular genetic techniques such as DNA extraction, polymerase chain reaction (PCR) methods and flow cytometry. Fellows will also participate in the teaching programme for student technicians.

The candidate will have to undergo an evaluation at the end of the programme. This fellowship will be certified by the Christian Medical College, Vellore. Upon completion of the course, fellows will be familiar with the morphology of normal and abnormal chromosomes and cytogenetic nomenclature, and be able to process specimens, handle equipment and trouble-shoot when necessary in order to run a diagnostic cytogenetics service ably.

Eligibility: MD Pathology or other specialty / PhD

Duration: Two years

Intake: One candidate per year

### POSTGRADUATE/POST DOCTORAL FELLOWSHIP IN DIABETES

The department of Endocrinology, Diabetes and Metabolism of CMC Vellore has intensified its activities in clinical spheres, training and research for the past 8 years and is now considered to be one of the key leaders in training and research in diabetes in India. The clinical sphere, management tools and research areas have grown to a large extent.

There has been considerable experience with in-service training involving theoretical lectures, hands on experience with patients, device training involving glucometers, insulin pumps and continuous glucose monitoring systems. In addition, the World Diabetes Foundation had given CMC Vellore the opportunity to start short courses for doctors and educators for more than 100 hospitals across India, whereby the training programme has evolved and course material and a book have been developed.

The collaborative work in combination with Karolinska, Albert Einstein Medical College (New York) and Copenhagen University gives the post graduates an opportunity to further develop skills in the field of research.

The backup of the clinical biochemistry laboratory, surgical departments, the diabetes nurse educators, dieticians and PMR are excellent and give support services and training expertise in handling diabetes.



This is a full time course for developing clinical experience in diabetes care, clinical research and laboratory exposure. The candidates will be trained in clinical skills, management and research. This course is meant to be intensive and cover the rudiments of diabetes, focuses on developing clinical abilities and research skills of the trainees. It also develops a perspective of handling diabetes from bench to bedside in any setting.

### **POST DOCTORAL FELLOWSHIP IN ENDOCRINOLOGY**

The Department of Endocrinology, Diabetes & Metabolism at the Christian Medical College, Vellore is one of the largest training and research centres for Endocrinology & Diabetes in India. Over the last 8 years the department has grown in various spheres, which include clinical work, training and research. The Department has experienced faculty with wide range of publications in the field of Endocrinology.

Clinical work includes clinical assessment of patients, detailed laboratory evaluation & therapeutic management under supervision. Specialty clinics provided by the departments include - General Endocrinology, Pituitary clinic, Diabetic clinic, Menopause clinic, Integrated Diabetic foot clinic, High risk Diabetic eye clinic.

Academic activities include journal clubs, seminars, case presentations, grand rounds (twice a week) and guest lectures (once a month). Interdepartmental meetings are conducted weekly with Pathology, Nuclear Medicine & Neurosurgery. In addition, each endocrine trainee has a peripheral posting in Paediatric Endocrinology. The objective of the course is to ensure that the candidates have wide exposure to various Endocrine disorders and their management. They are expected to attend all seminars and teaching sessions. They will be encouraged to participate in research and teaching. They are also expected to do a small research project. They will be encouraged to publish case reports and case series.

The candidates will be periodically assessed regarding their clinical skills, knowledge and understanding of the subject. They should become confident in managing all Endocrine and Diabetic emergencies.

### **POST DOCTORAL FELLOWSHIP COURSE IN ENDOCRINE SURGERY**

As the field of Endocrine Surgery evolves and matures, there is a growing need for advanced post doctoral training in this discipline.

Candidates for the Endocrine Surgery fellowship training would consist of surgeons who have completed their MS in General Surgery and have an interest in Endocrine Surgery.

This is a two year training programme. The training will be mainly in the Department of Surgery unit VI with onsite attachments in the Department of Endocrinology, Cytopathology, Histopathology, Genetics, Radiology, Nuclear Medicine and Oncology. The trainee will be adequately exposed to these disciplines with rotations and multidisciplinary conferences. The trainee will acquire enough skills to collaborate and appropriately utilize these disciplines through the clinical management of endocrine surgical patients.

Throughout their fellowship the trainee will have the opportunity to participate in journal clubs, tumour board meetings and research projects in the unit. The trainee will also be able to attend the annual meeting of the IAES and the postgraduate course conducted by the IAES. The trainee will coordinate the conduct of two workshops annually on 'Fine Needle Aspiration Cytology' for postgraduates and 'Safe Thyroidectomy' for general surgeons.



A visit to another institution (SGPGI, Lucknow) will be offered immediately following the training period. Surgery Unit VI has special interest in the management of diabetic foot conditions as well as benign and malignant breast lesions. The fellowship candidate will also have exposure to these conditions.

### OVERALL OBJECTIVES FOR AN ENDOCRINE SURGERY FELLOWSHIP

- \* Demonstrate knowledge and understanding of endocrine gland anatomy and physiology, both the normal and pathological states.
- \* Demonstrate the ability to diagnose clinical endocrinopathies associated with endocrine surgical diseases.
- \* Develop the knowledge of the inherited endocrine disorders and understand the role of genetic counseling and testing.
- \* Have an appreciation of the current controversies and current areas of research in the literature within endocrine surgical diseases.
- \* Demonstrate the ability to apply this knowledge and safely perform the appropriate surgical operation for the given endocrine surgical disease
- \* Demonstrate ability in the management of diabetic foot infection
- \* Have an insight into the management of benign and malignant breast diseases.

### POST DOCTORAL FELLOWSHIP IN HAEMATOPATHOLOGY

The two year Postdoctoral Fellowship training in Haematopathology involves wide exposure to evaluation of benign and malignant haematolymphoid disorders involving blood, bone marrow, lymph nodes, spleen and other tissues. Morphologic features, laboratory testing and ancillary immunophenotypic, molecular and cytogenetic findings all have a role in the diagnosis of haematopathologic processes and require the integration of various diagnostic techniques and ancillary studies. As a result, haematopathology represents a significant discipline to master, whether in an academic or private practice setting. Interpretation and understanding of the tools used in diagnostic haematopathology are essential to the correct diagnosis of haematolymphoid diseases, monitoring responses to therapy, and prediction of prognosis.

This course is open to any candidate who has completed MD (Pathology) and involves training aimed at developing competence in the diagnosis of diseases of the blood, bone marrow, lymph node and extra nodal sites involved by haematolymphoid malignancies. The candidates will also get exposure to ancillary techniques like immunohistochemistry, flow cytometry, cytogenetics and molecular techniques that apply to haematology.

The candidate will take part in all MDT meetings and also in regular pathology academic sessions. He/She will also sign out reports after getting adequate training. The candidate will also present at national conferences and be involved in haematopathology research in the department. There will be an examination at the end of two years.

### DR. PAUL BRAND POST DOCTORAL FELLOWSHIP IN HAND SURGERY

The Dr. Paul Brand Centre for Hand Surgery, Leprosy Reconstructive Surgery & Peripheral Nerve Surgery (formerly the Hand Research Unit) is the first "Hand" Centre in India established by the legendary Dr. Paul W Brand at CMC Vellore in 1948. This centre has over 60 years of dedicated hand care experience. Having started as a centre pioneering reconstructive surgery & hand therapy for deformities of Leprosy, this centre is now well known in



India and all over the world as the foremost centre for comprehensive management of all hand problems. Eminent surgeons have worked in the department alongside Dr. Brand and include Dr. A.J. Selvapandian, Dr. William Lennox, Dr. GBR Walkey, Dr. Ernest Fritschi to name a few.

The Dr. Paul Brand Centre for Hand Surgery, Leprosy Reconstructive Surgery & Peripheral Nerve Surgery deals with all kinds of hand problems including congenital deformities, peripheral neuropathies, diverse traumatic conditions, complex carpal injuries, fractures and mutilating hand injuries and peripheral nerve injuries including adult & obstetric brachial plexus injuries. Reconstruction of paralytic upper limbs due to peripheral nerve injuries, leprosy, cerebral palsy, polio, etc is its forte. The centre does many microsurgical procedures including free flaps and reimplantation: major and minor, and toe transfers. Microvascular reconstruction for peripheral nerve problem includes those for acute nerve injuries; nerve grafting, adult brachial plexus injuries as well as obstetric brachial plexus injuries. Scientific primary nerve surgery was started here in India. These are demanding but satisfactory outcomes are ensured. The centre also has the first hand therapy section since 1951 where experienced therapy staff and occupational therapist rehabilitate the hand.

The Dr. Paul Brand post-doctoral fellowship in hand surgery is a 1 year, intense clinical, operative, academic and interactive programme where the trainees work and learn alongside the experienced consultants. Excellent library facilities are available. Emergency and on-call duties are a routine. The selection for the Fellowship is based on MCQ exam on Basic Sciences of hand structure, function, surgery as well as an interview. The programme is based on the Federation of Europe Societies for Surgery of the Hand (FESSH) Curriculum for training in Hand Surgery. Weekly scientific programmes include scientific topic presentation and case discussions. Journal club is an integral part of the training. The Fellow must pass a midyear progress assessment as well as an exit exam (both theory and clinical) for the Fellowship to be awarded. The Fellows must complete a scientific study/thesis by the end of the programme and are encouraged to write for peer reviewed publications. Log book of surgeries done and assisted and case presentations is mandatory. By the end of the training, the Fellows should be able to manage Hand problems in urban and rural settings in India and anywhere else in the world.

## POST DOCTORAL FELLOWSHIP IN INFECTIOUS DISEASES

The Division of Infectious Diseases (ID) hopes to bridge the tremendous gap in subspecialty training in infectious diseases in India. Infectious diseases afflict human beings of all ages but are more common in children, elderly and individuals who are immunocompromised. Although patients with infections are seen by all physicians, ID specialists are needed for optimal handling of many of these conditions especially when dealing with complex infectious diseases. Several studies have shown the impact of ID specialist care in improving patient outcomes, optimizing antibiotic treatment, reduction in incidence of anti-microbial resistance and the risk of nosocomial infections caused by resistant bacteria. Unfortunately, despite the tremendous need, a sub-specialty training in ID has not been available in this country till recently.

The overall goal of the fellowship is to train future faculty in academic Infectious Diseases. The Fellowship is a comprehensive **two-year** training program leading to certification by the Christian Medical College, Vellore. The training programme will ensure that fellows acquire and demonstrate the necessary factual knowledge, skills (clinical and procedural) and attitudes that characterize the practice of ID. It will provide rigorous training and supervised experience with faculty of broad clinical expertise at a sufficient level for the fellow to acquire outstanding skills as a **specialist in infectious diseases**. Like all other post-graduate training programmes in



CMC, the emphasis will be on “in-service”. This experiential learning will provide opportunities to manage patients with a wide variety of infectious diseases in both the ambulatory and in-patient setting.

**Eligibility:** M.D. or DNB in General Medicine

### POST DOCTORAL FELLOWSHIP IN MOLECULAR HAEMATOLOGY

This course is designed to provide a foundation in molecular genetics of haematological disorders. Basic concepts and principles are covered in the theory component. The laboratory component focuses on techniques integral to current developments in molecular genetics. The fellows spend the first year predominantly in training and a second research year in which they undertake a project under the supervision of a mentor. Suitable candidates may get an opportunity to register for Ph.D after successful completion of the course.

#### OBJECTIVES

- \* The ability to supervise and direct the operations of a clinical molecular diagnostic laboratory
- \* Technical experience and knowledge in quality control and quality assurance procedures
- \* Broad knowledge of basic molecular biology and genetics
- \* Application of DNA techniques in the diagnosis of inherited and acquired haematological disorders
- \* Ability to perform a variety of molecular diagnostic assays
- \* An understanding of the heterogeneity, variability, and natural history of haematological disorders
- \* Diagnostic and interpretive skills in a wide range of clinical molecular genetics.
- \* Ability to develop hypothesis and develop experiments in a research project

#### Eligibility

The fellowship is open to individuals with an M.D. or Ph.D., or equivalent degree.

#### Duration

The course is for two years.

### POST DOCTORAL FELLOWSHIP IN NEUROANAESTHESIA

The department of Anaesthesia, Christian Medical College offers opportunity for those interested in advanced neuroanaesthesia training. The neurosciences department does about 1500 neurosurgical procedures per year with an extensive range of cases which include tumour surgery, seizure surgery, trans-sphenoidal pituitary surgery, intracranial aneurysms and other vascular procedures, spinal instrumentations, neurotrauma, paediatric neurosurgery including Awake Craniotomy. The neurosciences department is the pioneer in the field of evoked potential monitoring in India for spinal cord surgery, aneurysm surgery, brain stem surgery and others.

The two year Fellowship Programme in neuroanaesthesia is open to those who have finished M.D or DNB in Anaesthesia. This is an individualized training programme with a maximum of 2 candidates for training at a time. The selection process will entail an examination and interview. This course involves training in the state



of the art newer techniques of anaesthesia and monitoring for neurosurgical procedures. The trainees will rotate through neurosurgery operation theatres and neuro intensive care which has 18 beds. They will have ample opportunity for hands- on training in procedures such as arterial cannulations, ultrasound guided and ECG guided central venous cannulations, fibreoptic and intubating laryngeal mask and other videolaryngoscopic intubations. They will also get an opportunity to train in relevant neurophysiology, EEG and depth of anaesthesia monitoring. The trainees will have exposure to anaesthesia for stereotactic procedures and

interventional and other neuroradiological procedures. There will also be opportunity for research and they will be encouraged to publish their work in peer reviewed journals.

### POST DOCTORAL FELLOWSHIP IN NEUROPATHOLOGY

The Fellowship Programme in Neuropathology provides two years of intensive in-service training in neuropathology. The programme emphasizes the development of diagnostic skills and the ability to synthesize clinico-pathological correlations. As a trainee in this programme, one will:

- Develop skills in diagnostic neuropathology of surgical and autopsy cases.
- Interpret lesions by light and electron microscopy and immunohistochemistry.
- Receive training in muscle enzyme histochemistry, electron microscopy, immunohistochemistry and molecular diagnostic techniques.

There is a large volume of neurosurgical specimens, about 1,200 per year. This includes brain and spinal cord tumors, skeletal muscle biopsies and peripheral nerve biopsies. Fellows will examine all specimens and sign out with an attending physician.

During the programme, fellows will develop and maintain close relationships with neurology, neurosurgery and neuroradiology services. The balance of clinical and research activities for each fellow will be based on the individual's previous training and their development of diagnostic skills. The research opportunities will include participation in active studies of neuro-oncology, and neuromuscular disorders. The fellow will also be involved in planning and participating in departmental and interdepartmental conferences and in teaching. The fellow will be evaluated periodically throughout the entire programme, maintain a log book and have a formal exit exam at the end of the programme.

Those who have completed a MD in Pathology would be eligible to apply for this programme. The fellowship will be certified by the Christian Medical College, Vellore.



## FELLOWSHIP/POST DOCTORAL FELLOWSHIP IN NEURO-REHABILITATION

The Neuro-Rehab Fellowship program is being offered by the Department of Physical Medicine & Rehabilitation which was established nearly 50 years ago. This course is designed for those interested in specializing in the care of patients disabled due to neurological conditions like Acquired Brain Injury, Spinal Cord Injury, Cerebral Palsy, Peripheral Nerve Injuries and Neuromuscular disorders.



This department is also equipped with the following clinical facilities and Research opportunities:

- (i) **Movement Analysis Lab** (For gait analysis, developing electronic equipment for enhancing communication and functional independence).
- (ii) **Urodynamics Lab** (For Neuropathic bladder assessment with Cystometry/Cystoscopy/Ultrasound).
- (iii) **Electro diagnostic lab.**
- (iv) **Spinal Cord Regeneration lab for Stem Cell Research.**
- (v) **Surgical management techniques** (For Neuropathic bladder, deformities & pressure sores).

In collaboration with the other departments, multiple interdisciplinary clinics are run on a weekly basis which include Amputee clinic, Diabetic foot clinic (jointly with Endocrinology and Vascular Surgery), Brain Injury clinic (jointly with Neuro-Surgery), Stroke Clinic (jointly with Neurology), Haemophilia clinic (jointly with Haematology), Neuromuscular clinic (jointly with Neurology, Medical Genetics), Pain clinic (jointly with Psychiatry), Cerebral palsy clinic (jointly with Paediatric Orthopaedics, Development Paediatrics & Adolescent Psychiatry) and Community Based Rehabilitation activities supported by WHO. Research is an integral part of our work with Spinal Cord and Brain Injury Rehabilitation, the latest being on Functional MRI and Tractography for outcome assessment.

### Eligibility:

Those who have completed and passed MBBS or Diploma in PMR can apply for the Fellowship and those with MD or DNB in PMR are eligible for the Post Doctoral Fellowship course.

Course Duration: 2 years

No. of seats: 3

## POST DOCTORAL FELLOWSHIP IN PAEDIATRIC INTENSIVE CARE



This in-service training program in Paediatric Intensive Care is aimed to impart higher training in the management of critically ill children. The trainee will be posted to paediatric emergency services, paediatric and neonatal ICUs, Medical ICU and will have exposure to paediatric anaesthesiology.

At the end of one year the candidate will also be eligible to appear for the "Certificate in Basic Paediatric Critical Care" examination offered by the Paediatric Critical Care Group, a joint body of Indian

Academy of Paediatrics (IAP) and the Paediatric Division of the Indian Society of Critical Care Medicine (ISCCM). Those who have completed DCH can take this examination only at the end of two years.



Eligibility : MD/DNB (Paediatrics)/DCH

Duration of course : 2 Years

Number of seats : 1

### POST DOCTORAL FELLOWSHIP IN PAEDIATRIC ORTHOPAEDICS

CMC is currently the only academic institution to have a separate Paediatric Orthopaedic Unit offering a Post Doctoral Fellowship Course in Paediatric Orthopaedics. The unit caters to about 12000 out patients, 1000 inpatients, 1000 surgeries and 250 day care surgeries a year. The conditions managed by the unit are varied and includes trauma, limb deficiencies, cerebral palsy, congenital abnormalities, dysphasias, tumours and neuromuscular diseases. Specialized multi-specialty clinics are held weekly for children with cerebral palsy, tumours and dysphasia.

The surgical skills in addition to basic paediatric surgical training includes use of fine power instruments, latest in implants, custom made tumor prosthesis and operating microscope. Facility for research is immense, which also includes animal lab and stem cell research facility. There are a number of ongoing internal and externally funded research projects. The 2 fellows selected each year are encouraged to do research and a dissertation is mandatory for the course.



### POST DOCTORAL FELLOWSHIP IN PULMONOLOGY

#### Introduction:

The fellowship programme in Pulmonology is designed to equip specialists to provide expert care for patients with the whole spectrum of respiratory problems seen in the country. The fellows are expected to acquire the skills to work as consultants in teaching institutions and academic respiratory practices within and outside the country, in the field of pulmonology.

#### Course content:

The training will cover patient care activities, a range of departmental academic and interdepartmental meetings, journal club, teaching of undergraduates and research. The department attracts referred patients from various parts of the country with a range of complex pulmonary problems, to provide the platform for clinical training. The department has state of the art pulmonary function lab and bronchoscopy suite; which is among the best in the country. The sleep lab and sonology service completes the range of investigative back up within the department. Apart from general pulmonology, trainees will be offered the opportunity to train in bronchoscopy, sleep medicine, pulmonary physiology, lung function testing and critical care. The fellow will be posted to the critical care, paediatrics and rheumatology departments.

#### Eligibility and duration:

Applicants should have successfully completed a post graduate programme MD/DNB in Pulmonary Medicine. The duration of the programme is 24 months.

**Intake :** 3 fellows for 2011- 2012



### POST DOCTORAL FELLOWSHIP IN RADIOLOGY

Significant advances in imaging and intervention have taken place during the last decade, making it difficult to complete thorough training in all modalities, as well as different subspecialties during the post graduate Radiology course. The Radiology Department offers one seat each for Cross-Sectional Imaging Fellowship and 2 seats for Interventional Vascular Imaging Fellowship course, for a period of one year. The candidate should have completed the MD /DNB in Radiology. Person with experience of minimum 1 year post-PG will be preferred.

The ***Cross-Sectional Imaging Fellowship*** gives the candidate experience in vascular doppler, mammography, specialty-specific CT reporting (primarily body imaging) and MRI (including neuroradiology, abdominal, musculoskeletal, and cardiac).

The ***Interventional and Vascular Imaging Fellowship*** gives the candidate training including hands-on experience in performing diagnostic procedures (USG and CT guided), interventional procedures (vascular and non-vascular), and interpreting related studies such as CT Angiography, MR Angiography and performing Doppler.

The Radiology Department at CMC has equipment and experienced staff covering all modalities and specialties. In addition to conventional X-ray machines and 11 ultrasound scanners, the department is equipped with MR scanners (1.5 and 3 Tesla), 2 CT scanners (single and 6-slice), 3 dedicated doppler ultrasound rooms, a mammography unit and a DSA unit. The department has a PACS system, and has been filmless since 2000. The PACS system, a large repository of information, can be used for self learning as well.

In 2009-10 (Apr-Mar), 522398 studies were performed, including more than 1821 angiographic studies and procedures, 29448 CT scans, 21461 MRI scans and 4757 guided procedures. The large workload gives the candidate the necessary experience to gain confidence in different modalities.

The Fellow is encouraged to do a project, attend a national conference and submit atleast one publication.

Daily teaching programmes include journal club, paper presentations and film reading sessions. Maintenance of a logbook is mandatory. Candidates will work as post doctoral trainees with remuneration and accommodation as per the rules of the institution. A formal exit exam consisting of both theory and practical will be conducted at the end of the course. After completing the course, a fellowship certificate will be awarded by the institution.

### POST DOCTORAL FELLOWSHIP IN REPRODUCTIVE MEDICINE

The fellowship Programme in reproductive medicine is a two year course involving training in infertility management, fertility related surgery (open/endoscopic) and assisted reproductive technology (ART). The course will provide detailed training in reproductive biology and will include experience in the necessary practical skills.

Although training will be predominantly in the reproductive medicine unit, exposure in allied specialties like Endocrinology, Urology and Clinical Genetics will be provided. Candidates will also receive training in the IVF laboratory, as an understanding of the various laboratory procedures carried out is essential.



Candidates will receive adequate exposure in research methodology and basic statistics, enabling them to complete a scientific project/thesis. Trainees will be encouraged to attend scientific meets/conferences to present their research work. An understanding of the social and ethical aspects of IVF technology will be part of the programme.

Weekly teaching programmes include journal club, paper presentations and ward rounds. Maintenance of a logbook will ensure involvement of surgical procedures. Candidates will work as post doctoral trainees with remuneration and accommodation as per rules of the institution. A formal exit exam consisting of both theory and practical will be conducted at the end of the course. After completing the course, post doctoral fellows will be able to independently run an advanced infertility unit handling all assisted reproductive technology related procedures and perform level II fertility related endoscopic surgery. After completing the course, a fellowship certificate will be awarded by the Christian Medical College Hospital.



### Eligibility

MD/ MS/ DNB Obstetrics and Gynaecology

Course duration : 2 years

Number of seats : 2

## POST DOCTORAL FELLOWSHIP IN SPINAL DISORDERS SURGERY

The Spinal Disorders Surgery sub-unit has been functioning now for nearly 20 years, initially as a sub-unit in Orthopaedic Surgery Unit I and more recently as an independent unit. Over 4500 spinal surgeries have been carried out. Currently, nearly 5000 new spinal cases are seen in the outpatient department annually. These include a spectrum of infective, degenerative, traumatic, neoplastic, developmental deformities and disc related conditions. Over 500 spinal surgeries are carried out every year. We have three staff surgeons, junior consultants, fellows and trainees in the unit. We have excellent support facilities – Imaging, CT (2 machines) MRI (2 machines), digital subtraction angiography machine, ably supported by an experienced Anaesthesia department, Surgical ICU, High Dependency Unit and post operative care facilities. All varieties of spinal instrumentations and implants are available and used based on the requirements of the individual patient. These, supported by good Operating Room facilities, make our post operative complications and infections rates among the lowest in the country.

A system of documentation of all major cases is in place along with an audit of adverse events and post operative complications. The teaching programme includes regular outpatient and pre operative (bed side) teaching and planning. Paper presentation and journal reading by our post graduate trainees is a regular feature. The staff and trainees are actively involved in scientific studies towards presentation at conferences and publication in renowned journals.

The 2 year Spinal Fellowship course is tailored to train Orthopaedic surgeons with a passion for spinal surgery in all modalities of spinal care. This includes clinical examination and diagnosis, investigations, planning of surgery, execution of various surgical procedures, post operative care and rehabilitation. The trainee will be



assigned responsibility in the emergency department, outpatient services and wards. They will participate in a variety of spinal surgeries and will be trained in the basics of various instrumentation techniques. They have to maintain a surgical log book and write a post doctoral dissertation. Candidates will be encouraged to prepare and present scientific papers at regional and national spinal conferences.

### **POST DOCTORAL FELLOWSHIP IN VASCULAR SURGERY**

Vascular surgery is a budding sub-specialty/specialty in India which is rapidly expanding. There is a growing need to train general surgeons in the principles and practice of vascular surgery, to meet the growing demand of the Indian population with vascular diseases. Vascular surgery in CMC was started almost 50 years ago. Today the unit is performing close to 350 vascular surgeries per year. These include surgeries like aortic aneurysm repair, aortobifemoral bypass, femoro-popliteal bypass, fem-distal bypass, subclavian artery transposition, carotid endarterectomy, varicose vein surgery etc. Endovascular intervention is performed in liaison with the radiology and cardiology departments. This course which is for a period of one year gives the surgeon excellent exposure and “hands on” experience in management of acute and chronic arterial and venous diseases. As CMC is a tertiary referral centre, management of vascular trauma is an integral part of the course. The candidate will spend one month learning skills in duplex ultrasound and endovascular intervention. During the course the candidate would be guided towards publishing an article in an indexed journal. There is an exit exam which is conducted at CMC with two external examiners and a certificate is awarded.

### **FELLOWSHIP IN NURSING (1 YEAR)**

<b>Programme</b>	<b>Duration (years)</b>	<b>No. of seats</b>	<b>Type of entrance tests</b>
Fellowship in Family Nurse Practice	1	4	General - Fellowship in nursing
Fellowship in Haematology Nursing	1	4	General - Fellowship in nursing
Fellowship in Respiratory Nursing	1	4	General - Fellowship in nursing

#### **1. FELLOWSHIP IN FAMILY NURSE PRACTICE**

This Programme is designed to prepare registered nurses for advanced nursing practice as family nurse practitioners. A family nurse practitioner in collaboration with physician provides primary health care services across the life span in community and ambulatory care settings.

#### **2. FELLOWSHIP IN HAEMATOLOGY NURSING**

This Programme is designed to prepare registered nurses for advanced nursing practice in haematology. It aims to prepare registered nurses in collaboration with the physician to provide specialized health care to haematology clients of all ages in hospital settings.

#### **3. FELLOWSHIP IN RESPIRATORY NURSING**

This Programme is designed to prepare registered nurses for advanced nursing practice in respiratory care. It aims to prepare registered nurses in collaboration with the physician to provide specialized health care to respiratory patients of all ages in hospital settings.



### Eligibility for Admission

1. BSc in Nursing /BSc (Honors) in Nursing/BSc in Nursing for Trained Nurses of the Tamilnadu Dr. M.G.R. Medical University, Chennai or any other university accepted as equivalent thereto.
2. Minimum of one year of experience in any institution/hospital or as a full time public health nurse.
3. Must possess permanent registration certificate from the State Nursing Council for Nursing and Midwifery.
4. Male candidates should have passed the prescribed course by INC in lieu of Midwifery and possess permanent registration certificate from the State Nursing Council.
5. Candidate must be a registered nurse and midwife for fellowship in family practice.

### Basis of Admission

1. Selection is based on written test (general paper) as well as performance in the interviews.
2. Weightage is given to candidates who have served in areas of need including CMC, Vellore.
3. Best outgoing students in the undergraduate Programme will be given additional weightage.
4. Admission to the programme for the year is subject to being found medically fit by the Medical Board of Christian Medical College Vellore.

#### ANNUAL FEE FOR FELLOWSHIP IN FAMILY NURSE PRACTICE

College fee	Rs.
Tuition fee	1000
Other annual fee (medical,library,stationery, transport,computer etc)	5250
<b>Hostel fee (UG Hostel)</b>	
Mess Deposit	1000
Hostel & Mess fee (Annual)	19600

#### ANNUAL FEE FOR FELLOWSHIP IN HAEMATOLOGY NURSING AND RESPIRATORY NURSING

College fee	Rs.
Tuition fee	1000
Other fee	4550
<b>Hostel fee(UG Hostel)</b>	
Mess Deposit	1000
Hostel & Mess fee (Annual)	19600

The Management reserves the right to revise the fee from time to time



**POST BASIC DIPLOMA PROGRAMMES IN NURSING (PDP)**

Programmes	Duration (years)	No. of seats	Type of entrance tests
PDP (Cardio-Thoracic)*	1	4	General Paper
PDP (Critical Care)*	1	8	General Paper
PDP (Emergency and Trauma)*	1	4	General Paper
PDP (Neonatal)*	1	4	General Paper
PDP (Neuro and Neurosurg)*	1	3	General Paper
PDP (Oncology)*	1	4	General Paper
PDP (OR Tech and Management)*	1	12	General Paper
PDP (Psychiatry)*	1	6	General Paper
PDP (Renal)	1	4	General Paper
PDP (Burns)	1	4	General Paper
PDP (Orthopaedic and Rehabilitation)	1	4	General Paper

\* recognized by the Indian Nursing Council (INC)

The post basic diploma Programmes in nursing are designed to prepare registered nurses acquire in depth knowledge and skills in specialized areas of nursing. It aims to prepare them to function effectively as care givers/nurse supervisors in the respective settings.

**Eligibility for Admission**

1. GNM/BSc in Nursing/BSc (Honors) in Nursing/BSc in Nursing for Trained Nurses.
2. Minimum of one year of experience in any institution/hospital or as a full time public health nurse.
3. Must possess permanent registration certificate from the State Nursing Council for Nursing and Midwifery.
4. Male candidate should have passed the prescribed course by INC in lieu of Midwifery and possess permanent registration certificate from the State Nursing Council.

**Basis of Admission**

1. Selection is based on written test (general paper) as well as performance in the interviews.
2. Weightage is given to candidates who have served in areas of need including CMC, Vellore.
3. Admission to the Programme for the year is subject to being found medically fit by the Medical board of Christian medical college Vellore.

**ANNUAL FEE FOR ALL POST DIPLOMA PROGRAMMES IN NURSING**

<b>College fee</b>	<b>Rs.</b>
Tuition fee	350
Other fee	3700
<b>Hostel (UG Hostel)</b>	
Mess Deposit	950
Hostel & Mess fee (Annual)	18170
<b>*BNE NL CMAI SIB fee</b>	
Examination and others	4800

\* Only for courses recognized by the Indian Nursing Council (INC)

The management may revise the fees from time to time.

**Application will be issued in September for all PG Nursing courses.**

