



# Prospectus



## Indian College of Critical Care Medicine (ICCM)

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### An Academic Division of Indian Society of Critical Care Medicine (ISCCM)

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#### **Honors conferred by ICCM :**

**FICCM (Fellowship in Indian College of Critical Care Medicine)**

#### **Academic Courses offered by ICCM :**

- 1. IDCCM (Indian Diploma in Critical Care Medicine)**
- 2. IFCCM (Indian Fellowship in Critical Care Medicine)**
- 3. CTCCM (Certificate of Training in Critical Care Medicine)**
- 4. IDCCN (Indian Diploma in Critical Care Nursing)**

## ISCCM NATIONAL EXECUTIVE COMMITTEE MEMBERS – 2019-20

EXECUTIVE COMMITTEE-2019 -20		Email Id	Mobile Number
Dr Subhal Dixit	President	<a href="mailto:president@isccm.org">president@isccm.org</a>	9822050240
Dr Yatin Mehta	Immediate Past President	<a href="mailto:pastpresident@isccm.org">pastpresident@isccm.org</a>	9971698149
Dr Dhruva Chaudhry	President - Elect	<a href="mailto:presidentelect@isccm.org">presidentelect@isccm.org</a>	9416051616
Dr.Rahul Pandit	Vice President	<a href="mailto:dr_rapandit@yahoo.com">dr_rapandit@yahoo.com</a>	9820595519
Dr Susruta Bandyopadhyay	Vice President	<a href="mailto:subandyo@gmail.com">subandyo@gmail.com</a>	9831079453
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Dr Srinivas Samavedam	General Secretary - Elect	<a href="mailto:generalsecretaryelect@isccm.org">generalsecretaryelect@isccm.org</a>	9866343632
Dr Khusrav Bajan	Secretary	<a href="mailto:secretary@isccm.org">secretary@isccm.org</a>	9820500534
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Dr Sauren Panja	Zonal Member - East	<a href="mailto:drsauran@yahoo.co.in">drsauran@yahoo.co.in</a>	9891279098
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Dr Rakesh Kumar	Zonal Member -	<a href="mailto:drrktyagi@yahoo.co.in">drrktyagi@yahoo.co.in</a>	9837270140

Tyagi	Central		
Dr Anil Sachdev	Chairman Pediatric Section	<a href="mailto:anilcriticare@gmail.com">anilcriticare@gmail.com</a>	9810098360
<b>Co-opted Member</b>			
Dr Subhash Todi	Chairman Research Committee	<a href="mailto:drsubhashtodi@gmail.com">drsubhashtodi@gmail.com</a>	9831202040
Dr Palepu Gopal	Vice - Chancellor - Indian College of Critical Care Medicine	<a href="mailto:vicechancellor@isccm.org">vicechancellor@isccm.org</a>	9000361678
Dr Sheila Nainan Myatra	Secretary - Indian College of Critical Care Medicine	<a href="mailto:collegesecretary@isccm.org">collegesecretary@isccm.org</a>	9820156070

## Indian College of Critical Care Medicine (ICCM) Board Members 2019-20

INDIAN COLLEGE OF CCM – BOARD MEMBERS (2019 -20)			
Designation	Name	Mobile No.	Email id
Chancellor /President, ISCCM	Dr. Subhal Dixit	9822050240	<a href="mailto:president@isccm.org">president@isccm.org</a>
Vice Chancellor	Dr Palepu Gopal	9000361678	<a href="mailto:vicechancellor@isccm.org">vicechancellor@isccm.org</a>
Secretary, ICCM	Dr Sheila Nainan Myatra	9820156070	<a href="mailto:collegesecretary@isccm.org">collegesecretary@isccm.org</a>
General Secretary ISCCM	Dr. Rajesh Chandra Mishra	9825013983	<a href="mailto:generalsecretary@isccm.org">generalsecretary@isccm.org</a>
Secretary - Elect	Dr Manish Munjal	9829062550	<a href="mailto:drmmunjal@hotmail.com">drmmunjal@hotmail.com</a>
Secretary, Accreditation	Dr. Sandhya Talekar	9923409961	<a href="mailto:accsecretary@isccm.org">accsecretary@isccm.org</a>
Secretary - Elect, Accreditation	Dr. Y. P. Singh	8800531155	<a href="mailto:ypsinghmrt@gmail.com">ypsinghmrt@gmail.com</a>
Secretary Examinations	Dr. Sumit Ray	9810614433	<a href="mailto:examsecretary@isccm.org">examsecretary@isccm.org</a>
Secretary- Elect, Examinations	Dr.Babu Abraham	9884286660	<a href="mailto:abrahambk@gmail.com">abrahambk@gmail.com</a>
Secretary, Nursing	Dr Devi Prasad Samaddar	9234551849	<a href="mailto:nursingsecretary@isccm.org">nursingsecretary@isccm.org</a>

Secretary - Elect, Nursing	Dr. Vivek Kumar	9833731099	<a href="mailto:drvivekmd@rediffmail.com">drvivekmd@rediffmail.com</a>
Immediate Past Chancellor/President, ISCCM	Dr. Yatin Mehta	9971698149	<a href="mailto:pastpresident@isccm.org">pastpresident@isccm.org</a>
President - Elect - ISCCM	Dr.Dhruva Chaudhry	9416051616	<a href="mailto:presidentelect@isccm.org">presidentelect@isccm.org</a>
General Secretary - Elect, ISCCM	Dr. Srinivas Samavedam	9866343632	<a href="mailto:generalsecretaryelect@isccm.org">generalsecretaryelect@isccm.org</a>

## Indian College of Critical Care Medicine (ICCM)

### Aims :

This College has been established within the governance of the Indian Society of Critical Care Medicine for the following purposes:

To implement and carry out all the educational activities including ISCCM fellowship in critical care medicine

(IFCCM), Indian diploma in critical care medicine (IDCCM), Certificate of Training in Critical Care Medicine (CTCCM), Indian Diploma in Critical Care Nursing (IDCCN),

- To recognize and honor members of the Society who have shown dedication and leadership in the practice of Critical Care by conferring Fellowship of the ICCM.( FICCM)
- To promote a forum for the development of collaborative practice amongst the specialties and professions providing Critical Care.
- To Guide the Society from time to time in academic activities and develop new programs.

This College is organized as an autonomous body for its internal affairs, but shall in no way act in a manner prejudicial to the Society or contrary to the Society's bye laws, which shall take precedence over this document.

### FELLOW OF INDIAN COLLEGE OF CRITICAL CARE MEDICINE (FICCM )

#### General guidelines for the award of FICCM

#### Essential criteria:

Candidates applying for fellowship should meet the following criteria

- Candidates should be Life Member of ISCCM for at least past 5 years

- Candidate should have a PG certification in either Anesthesia, Chest Medicine, Internal Medicine, Pulmonary Medicine, Surgery, Critical Care Medicine, Emergency Medicine or Pediatrics. This may also include diplomas in the same subjects.
- Candidate must be spending at least 50% of his/her practice time in the field of Critical Care Medicine at the time of application.

A statement regarding the same should be signed by the candidate at the end of the application form.

With the above mentioned essential qualifications only those who fulfill AT LEAST one of the following criteria may apply:

- Candidates who have cleared ISCCM Fellowship in Critical care Medicine (IFCCM)
- ISCCM Diploma in Critical Care Medicine (IDCCM).
- Fellowship of National Board (FNB) in Critical Care
- Candidates who are American Board certified in Critical Care Medicine
- Candidates who have cleared European Diploma in Critical Care Medicine (EDIC), after requisite PG qualification.
- FJICCM from Australia
- Candidates who have obtained Certificate of Completion of Specialist Training (CCST /CST) after MRCP, FRCA or FRCS from United Kingdom.
- Practicing critical care medicine in India for at least 10 years after obtaining appropriate postgraduate degree approved by Medical Council of India,

Candidates living abroad, who have their PG degree and practicing critical care in their country, will be considered on case to case basis on their merit, by Credential Committee.

In addition to having one of the above, candidates should demonstrate,

- Continued involvement in the practice of Critical Care by research, publication or education, and
- Involvement in national and local activities that demonstrate outstanding dedication and/or leadership in the practice and training of Critical Care Medicine.

### **Application process:**

- Starts on May 1<sup>st</sup>,

Application in the prescribed form (Appendix 1) should be accompanied by a statement on a plain paper by the candidate describing his credentials supporting his claim for award of fellowship (up to 300 words). This should include nature of work, training, contribution to ISCCM programs and research work.

- All applications should be accompanied by a Demand Draft for Rs.11800/- (Rupees Ten Thousand Only) in favour of 'Indian Society of Critical Care Medicine' payable at Mumbai. The application fee is non-refundable.
- Last date of application – September 30th,
- Any application received after 5 pm on September 30th, in the ISCCM headquarters (Mumbai) will not be considered.
- All applications should be sent to ISCCM Headquarters in Mumbai to the following address by post or courier:

**Address :**

<p><b>Indian College of Critical Care Medicine, Unit13 &amp; 14, First Floor, Hind Service Industries Premises Co-operative Society, Near ChaityaBhoomi, Off Veer Savarkar Marg, Dadar, Mumbai, India 400 028.</b></p>
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**Selection process :**

The Credentials Committee would examine each application for award of Fellowship. Factors that will be considered by the Credentials Committee include (but are not restricted to) duration of experience in critical care, critical care teaching experience (including examiner for IDCCM/IFCCM), publications in indexed journals, memberships of editorial boards for critical care journals, contribution to the ISCCM at National/Regional level, (including conference organization, public awareness programs, socially relevant activities, participation in government programs, etc), and the applicant's Fellowships, Awards and Honors.

- The decision of the Credential Committee would then be put to approval by the College Board.
- Candidates will be informed of the decision before December 31st,
- The decision of Credentials Committee and College Board would be final and appeals from applicants will not be entertained.
- Fellowship would be awarded during the College Convocation at the Annual Conference of Indian Society of Critical Care Medicine.

➤ If the candidate is unable to attend the convocation and collect the award certificate, the same has to be personally received during one of the subsequent national conferences, within three years.

## Indian College of Critical Care Medicine ( ICCCM ) Critical Care Courses

S r n o	Course	Eligibility ( MCI /ISCCM recognized Indian or foreign Qualifications only)	Durati on
1	<b>IDCCM(P ost PG Degree)</b>	<ul style="list-style-type: none"> <li>• MD Medicine/Chest/Anaesthesia</li> <li>• DNB Medicine/Chest/Anaesthesia/Emergency Medicine</li> <li>• MS General Surgery/Orthopedics</li> <li>• MRCEM-If approved by Medical Council of India</li> <li>• The base qualifications must be from a MCI recognized university.</li> </ul> <p><b>MD Emergency if approved by MCI would be eligible for IDCCM henceforth (from July 2013)</b></p>	<b>2 Years</b>
2	<b>IDCCM ( Post PG Diploma / CTCCM)</b>	Diploma ( Anaesthesiology or Chest Medicine/Pulmonology or Orthopedics)  OR  Post MBBS, Certificate course by ISCCM ( CTCCM)	<b>2 Years</b>
3	<b>IFCCM</b>	IDCCM passed,  OR  <u>Post MD/ DNB (Medicine, or Anaesthesiology or Emergency Medicine or Chest Medicine/ Pulmonology )</u>  OR  Post MS/DNB ( General Surgery / Orthopedics)	One year,  OR  <b>2 Years (</b> Need to clear IDCCM before appearing for IFCCM)
4	<b>Cerificat e of Training</b>	MBBS or Equivalent Foreign Course ( MCI approved or permitted)	<b>2 Years</b>

	<b>in Critical Care Medicine (CTCCM)</b>		
<b>5</b>	<b>IDCCN</b>	GNM, Nursing or Equivalent	One year

## **IDCCM**

### **IDCCM:Eligibility**

#### **One year course: IDCCM (Post PG degree)**

MD or DNB (Medicine, or Anesthesiology or Emergency Medicine or Chest Medicine/Pulmonology )

OR

MS or DNB (General Surgery or Orthopedics)

OR

MRCEM-If approved by Medical Council of India

Equivalent Post Graduate Foreign qualification recognized by MCI

MD Emergency if approved by MCI would be eligible for IDCCM. (from July 2013)

Duration of the Indian Diploma in Critical Care Medicine (IDCCM) is one year for FCPS Medicine candidates (w.e.f January 2020 registrations).

#### **2 Years course: IDCCM (Post PG Diploma/Post CTCCM):**

Diploma (Anesthesiology or Chest Medicine/Pulmonology or Orthopedics)

OR

Post MBBS Certificate course by ISCCM (CTCCM)

### **IDCCM: Selection**



Candidates need to apply directly to the recognized institute of their choice (Appendix 2a); Selection will be done by the institute.

The selection process may vary from institute to institute and it is at the sole discretion of the Teacher and the Institution. ICCM office, will confirm the formal selection after scrutinizing the duly filled Student registration form (Appendix 4) and necessary documents Candidates will be paid a salary according to their PG qualification and experience as per the rules of the institute. They should not be paid less than the other employees with similar qualification and experience.

### **IDCCM: Registration**

After selection, the candidate must register himself/herself with ISCCM by filling Student Registration form (Appendix 4) accompanied by a fee of Rs 14,160/- (including GST) which includes the registration & examination fee for the first attempt.

Registration is online for IDCCM Registration

No hospital, institute or individual may levy any direct or indirect fee to an individual candidate in any relation to the course. The only fee is that which is to be given directly to the society at the time of registration or repeat examination

Once selected, it is mandatory for the candidate to become ISCCM Life member\*.

(\*Note 1: It is highly recommended that Student registration form and ISCCM Membership form are sent simultaneously. Candidates who are not ISCCM members will not be allowed to appear for the examinations.)

(\*Note 2: Candidates pursuing IDCCM cannot pursue another course simultaneously)

❖ **Initial Registration Fee of Rs.14,160/- (Fourteen Thousand one hundred sixty only) covers the fees for the first attempt only.**

#### ➤ **Refund policy for Course Fees:**

<b>Within 30 days withdrawal</b>	<b>Balance Refund after deducting processing fee of Rs. 2,000/-</b>
<b>After 30 days withdrawal</b>	<b>50% Refund</b>
<b>Withdrawal after the registrations</b>	<b>No Refund</b>

<b>deadline</b>	
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### **Late Fees Charges for courses registration:**

Candidates will be allowed to register after the deadline of registration within 7 days with late fees. Extra 50% of the course fees with GST will be charge for the registrations. (w.e.f January 2020 registrations)

- Exam Fees once paid are non-refundable and not transferable for future attempt after submission of Exam
- All candidates who repeat the exam would have to pay the additional fee of Rs. 7,080 (Seven thousand Eighty only) per attempt
- All candidates who are registered for the period leading to the exams are automatically enrolled for the exam and must notify the ISCCM Head Office if they are NOT to be registered.
- All other candidates who have completed course requirements earlier and plan to appear or re-appear for the exam, MUST notify ISCCM prior to the prescribed deadline.( Ref: Education calendar , Appendix no : 10)
- Candidates who have completed course requirement and who did not appear for exam for two years from date of completion of training will be subject to payment of Rs. 7,080/- (Seven thousand Eighty only).

### **Training & Exam gap for candidates:**

Candidates are allowed to complete course tenure of training in a maximum period of 3 years and he /she will be allowed to appear for exam at any time in the 3 years after completion of the course.

Candidates are allowed to attempt for maximum 3 years for examinations (with maximum 3 attempts) for 1 & 2 year courses. (w.e.f January 2020 registrations).

### **IDCCM: Syllabus and Competencies**

#### **❖ Syllabus / Competencies**

- The candidate must have gained experience in the diagnosis and treatment of patients from various disciplines with serious medical and surgical diseases. During the training the candidate must gain knowledge in two aspects - The knowledge about pathophysiology, diagnosis and treatment of a series of disease processes and skills of specific procedures and interventions that the candidate must be able to perform.

#### **❖ Theoretical Knowledge**

➤ The candidate must understand the pathophysiology, construct a differential diagnosis and apply the appropriate prophylactic and therapeutic interventions in the following disorders. This list is not comprehensive.

❖ **Respiratory**

➤ Management of airways (including respiratory arrest, upper airways obstruction, smoke or burns airways damage), pulmonary edema, Acute Respiratory Distress Syndrome (ARDS) and hypercapnic respiratory failure, severe asthma, chest trauma, respiratory muscle disorders, thoracic surgery.

❖ **Cardiovascular**

➤ Haemodynamic instability and shock, cardiac arrest acute myocardial infarction and unstable angina severe heart failure, common arrhythmias and conduction disturbance, specific cardiac disorders (cardiomyopathies, valvular heart disease, atrial or ventricular septal defects, myocarditis), cardiac tamponade, pulmonary embolism, aortic dissection, hypertensive crisis, peripheral vascular diseases. cardiovascular surgery, current Knowledge and skills to perform Basic Life Support (BLS) and Advanced Cardiac Life Support (ACLS).

❖ **Neurology**

➤ Coma, head trauma, intracranial hypertension, cerebrovascular accidents, cerebral vasospasm, meningo-encephalitis, acute neuromuscular disease (including myasthenia & Guillain-Barre syndrome), post anoxic brain damage, acute confusional states, spinal cord injury, neurosurgery, brain death.

❖ **Renal**

➤ Oliguria. Acute renal failure, renal replacement therapy

❖ **Metabolic & Nutritional**

➤ Fluid electrolyte and acid-base disorders, endocrine disorders (including diabetes), nutritional requirements, monitoring of nutrition.

❖ **Haematological**

➤ Disseminated intravascular coagulation and other coagulation disorders, haemolytic syndromes, anaemia, leukemias, thrombocytopenias, blood component therapy, and immune disorders.

❖ **Infections**

➤ Severe infection due to aerobic and anaerobic bacteria, viruses, fungal and parasites, nosocomial infection, infection in the immunocompromised, tropical disease, antimicrobial therapy, immunotherapy and infection control practices.

## ❖ **Gastro-intestinal**

➤ Inflammatory bowel diseases, pancreatitis, acute and chronic liver failure, prevention and treatment of acute G.I. Bleeding (including variceal bleeding) peritonitis, mesenteric infarction, perforated viscus, bowel obstruction, abdominal trauma, abdominal surgery.

## ❖ **Obstetric**

➤ Toxemia (including HELLP syndrome), amniotic fluid embolism, eclampsia, and haemorrhage.

## ❖ **Environmental Hazards**

➤ Burns, hypo-and hyperthermia, near-drowning electrocution, radiations, chemical injuries, animal bites.

## ❖ **Toxicology, poisoning**

➤ Acute intoxications, drug overdose, serious adverse reactions, anaphylaxis.

## ❖ **General**

➤ Pharmacology, pharmacokinetics and drug interactions. Analgesia, sedation and muscle relaxants, inflammation and anti-inflammatory agents, multiple trauma, transport of the critically ill, management of the organ donor.

## ❖ **Interventions and procedures**

### ➤ **Respiratory**

Maintenance of open airway, endotracheal intubation (oral and nasal) and emergency cricothyrotomy, suctioning of the airway, , titration of oxygen therapy, use of AMBU bag, use of mechanical ventilator with different modes of ventilation, techniques of weaning from mechanical ventilation, placement of a intercostal tube, implementation of respiratory pharmacological support, fiberoptic bronchoscopy, interpretation of arterial and mixed venous blood gases, assessment of gas exchange and respiratory mechanics, indications for tracheostomy, Percutaneous versus Surgical Tracheostomy, options for tracheostomy tubes, management of patient with tracheostomy.

### ➤ **Cardiovascular**

Placement of a central venous catheter (by different routes), pulmonary artery (Swan Ganz) catheter, arterial catheter (by different routes) measurement and interpretation of the hemodynamic variables (including the derived variables), use of ultrasound, implementation of cardiovascular support, antiarrhythmic therapy and thrombolysis.

### ➤ **Neurologic**

Basic interpretation of brain CT/MRI scan, lumbar puncture, and , intracranial pressure monitoring.

➤ **Nutrition**

Implementation of intravenous fluid therapy, enteral and parental nutrition.

➤ **Haematologic**

Correction of haemostatic and coagulation disorders, interpretation of a coagulation profile, correct administration of blood component therapy.

➤ **Renal**

bladder catheterization, placement of dialysis catheters and institution of renal replacement therapy

➤ **Gastro-intestinal**

Placement of gastric tube, an esophageal and gastric tamponade balloon catheter, ascitic tapping, Intraabdominal pressure monitoring and interpretation,

➤ **General Aspects**

- Measurement of severity of illness and outcome assessment. Exposure to clinical research, ethical and legal aspects of critical care.
- Participation in regional and national CME's, seminars, conferences and workshops in critical care

**Competencies (Appendix 3)**

**Exam System IDCCM**

Sr. No.	Exam System IDCCM
<b>1</b>	The theory exams shall be held <b>on line</b> at designated <b>Prometric Centres</b> in the following cities: Ahmedabad, Bengaluru, Chennai, Gurgaon, Hyderabad, Kolkata, Mumbai and Trivandrum; Candidate can choose any one of these centers to appear for the theory exam.
<b>2</b>	All the candidates (Fresher's & Repeaters both) have to apply for the examination online
<b>3</b>	If the exam form is not submitted by the last date mentioned, candidate will not be able to appear for the exam.
<b>4</b>	The theory exam format shall remain the same: 3 hours, multiple choice questions
<b>5</b>	The cut off for pass or fail, in theory exam, shall be decided by the Examination Council & result will be declared with in ten days.
<b>6</b>	Only those candidates who clears theory exam will be allowed for practical's, one can have maximum two attempts in practical exams, if he/she fails to clear practical exam in two attempts, he/she has to repeat theory exam.
<b>7</b>	The practical exam (one day) will be held at different centers .
<b>8</b>	Practical center and date will be allotted by the College only.

<b>9</b>	Request for change in venue or date of exams shall not be accepted in any circumstances.
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## **Exam Form (Appendix:11)**

### **IDCCM: Examination**

- **Eligibility for appearing in Exam of IDCCM**

Candidates are eligible to appear for the IDCCM exam after satisfactory completion of the specified training period in a recognized centre for the IDCCM (2 Years for DA/DTCD candidates & one year for MD/MS/DNB candidates) and those with equivalent foreign Post Graduation approved by MCI.

- **In-training assessment of candidates**

Candidates are assessed at regular intervals by the teacher for progress towards appropriate goals.

The Training & Assessment Records (Specimen copy attached, Appendix no. 3) competencies record book will be maintained by IDCCM and IFCCM candidates under the supervision of their teachers that will track the attainment of specified competencies in critical care.

### **Mandatory requirements to be completed prior to exam**

- The IDCCM Trainee should submit a completion certificate after completion of the 1 or 2 years training.
- The 4C course is mandatory for the IDCCM trainee.They should submit the 4C course certificate along with their exam form (4 C course may be done anytime within 2 years before filling the examination form) w.e.f. January 2019 Exam.
- ACLS & Airway workshop are mandatory for all exam going candidates from January 2019.( airway workshop is not mandatory for those who have a degree or diploma in Anaesthesiology w.e.f April 2019).The workshop should be done anytime within 2 years before filling the examination form. The workshop certificate should be submitted along with the exam form.
- Hemodynamic monitoring & mechanical ventilation, review courses etc. are recommended workshops for IDCCM trainees.

### **Training & Assessment Records record should be duly filled. ( Mandatory)**

- **Written exam**

It consists of multiple choice questions.

The written exam for the IDCCM will be held every year in March and in August ( ref. Examination Calendar below, Appendix 10)

- **Oral exam**

The oral exam is conducted by a panel of examiners over one day and is taken in two parts,

**A.** Case discussion: Two typical ICU case scenarios (each case scenario by two examiners) on which questions will be asked by the examiners.

**B.** B. Table viva : Six stations

1. Table viva on ACLS proficiency,
2. Table viva on airway skills.
3. Table viva on interpretation of ECG's, lab reports, X'rays, CT scans.
4. Mechanical Ventilation
5. Table viva on setting up of hemodynamic monitoring like central line/arterial line/cardiac output monitoring and bedside monitoring of a critically ill patient.
6. Table viva on commonly used drugs.

All exam results will be sent to the candidates only by e mail & displayed on the website no later than a month after the exam.

Candidates who pass the exam will receive the certificate by Courier/Post.

**Process for transferring candidates from one institution to another is as follows**

1.) If for any compelling reason, the candidate has to move, they may do so ONLY after completing 50% of the training. They should inform us BEFORE moving and get a no objection certificate from the institution where they were registered and also an acceptance letter from the institution which has accepted them for the remaining duration of training. The training periods should be continuous without a break

2. Candidate will be counted only for the institution where they originally registered and may be taken as an additional candidate in the institution which has accepted them for the remaining duration of training

**IFCCM**

**IFCCM:Eligibility**

**One year Course:** IDCCM passed

**2 Years course :** MD/ DNB (Medicine, or Anaesthesiology or Emergency Medicine or Chest Medicine/Pulmonology ) or equivalent foreign post graduation that is MCI approved.

(Candidates with post graduate diploma such as DA or DTCD are not eligible for direct registration for IFCCM).

### **Eligibility**

Direct registration for IFCCM for post MD candidates will be accepted but such candidates should pass IDCCM prior to appearing for IFCCM

Note 1: Direct Entry to IFCCM examination

a. FNB, DM Critical Care

Those who have cleared FNB, DM Critical Care are allowed for direct entry to IFCCM examination.

b. Candidate who has a foreign qualification in critical care

Those who have a foreign qualification in Critical Care, can directly apply for IFCCM examination, 2 years after their return to work in India. However the candidate should be working in an ISCCM recognised Institution.

Note 2:

Post MBBS (CTCCM) Trainee who have passed IDCCM are not eligible to apply for IFCCM Course.

Successful completion of IDCCM

### **IFCCM : Selection**

Candidates are selected after they pass the IDCCM exam by recognized Co ordinator and teacher of the respective institutes.

The selection process may vary from institute to institute; it is at the sole discretion of Co ordinator, Teacher and Institution. The list of accredited institutes is given in Appendix 2 b)

Candidates will be paid a salary/stipend as per the rules of the institute where they are appointed.

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### **IFCCM: Registration**

The registration & examination fee is Rs. 11,800/-and Repeater fees is Rs. 5900/- if registered after IDCCM and Rs 23600/- for those who are registering directly for 2 Years course tenure.

Direct registration fees for IFCCM Exam is Rs. 29,500/- (fees include GST) and Repeater Fees is Rs. 14,750(Fees include GST)



**First Batch** : Start Date- April 1st Last Date for Registration - May 31st

**Second Batch** : Start Date-October 1st Last Date for Registration November 30th

No hospital, institute or individual may levy any direct or indirect fee to an individual candidate in any relation to the course. The only fee is that which is to be given directly to the society at the time of registration or repeat examination.

**(Note: Within 90 days of enrollment of IFCCM candidates a research proposal must be submitted to the college countersigned by the teacher w.e.f April 2019 registration)**

- Candidates should formally inform the ISCCM Office at the time of exam registration if they are not appearing and the fees can cover one future attempt
- Those candidates who do not inform the ISCCM Office as above will forfeit this fee and have to pay additional fee of Rs.5900/- (Five Thousand Nine Hundred Only ) per attempt when they register for future exam
- All candidates who repeat the exam would have to pay the additional fee of Rs.5900/- (Five Thousand Nine Hundred Only ) per attempt
- All candidates who are registered for the period leading to the exams are automatically enrolled for the exam and must notify the ISCCM Head Office if they are NOT appearing.
- All other candidates who have completed course requirements earlier and plan to appear or re-appear for the exam, MUST notify ISCCM prior to the prescribed deadline.( Ref: Education calendar , Appendix no : 10).

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## **Syllabus and competencies**

Syllabus is same as that for IDCCM course but competencies expected are higher.

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## **EXAM SYSTEM: IFCCM**

<b>Sr. No.</b>	<b>Exam System IFCCM</b>
<b>1</b>	All the candidates (Freshers & Repeaters both) have to register online for exam
<b>2</b>	If the exam form is not submitted by the last date mentioned, candidate will

	not be able to appear for the exam.
<b>3</b>	Exam centre and date will be allotted by the College only.
<b>4</b>	Request for change in venue or date of exams shall not be accepted in any circumstances

## **IFCCM : Examination**

### **Eligibility for appearing in Exam of IFCCM**

Candidates are eligible to appear for the fellowship exam (IFCCM) after completing one year training, post IDCCM in a recognized centre.,

Candidates, who are registered for direct 2 Years course tenure, will have to pass the IDCCM exam before they take up IFCCM exam.

#### **Mandatory requirements to be completed prior to exam**

- Certificate from the teacher/institute stating satisfactory completion of training.
- Training & Assessment Record Form should be duly filled and certified by teacher.
- Candidates with a basic qualification in medicine or allied subjects should undergo training for at least 3 months in anaesthesia with emphasis on airway management and use of anaesthetic drugs.
- A poster/ oral paper should be presented at any national conference within 1 ½ years of registration OR the candidate can submit a paper published/accepted for publication in a peer reviewed indexed journal (he/she should be a 1st, 2nd or corresponding author).The poster/paper may be presented not only in the ISCCM national conference, but any national body meeting related to critical care (e.g APICON, MAPCON, ISACON) or international conference related to critical care conducted by a registered society (e.g ESICM, ATS etc).The poster/paper presentation certificate or publication copy should be submitted for getting the IFCCM certificate. (w.e.f. from April 2019 registration).

#### **The structure of IFCCM exam**

Exam will be conducted by four examiners in an ICU setting & will be taken in three parts.

Exam will be conducted by four examiners in an ICU setting & will include

- Part I: 3 Clinical cases + Communication
- Part II: 4 Stations

- A. Logbook, Project & Research paper evaluation
- B. Investigations
- C. Hemodynamics
- D. Ventilation

• Instructions:

Both parts are mandatory. Passing in each part separately is mandatory. Passing marks are 50 % for each section.

## **CTCCM**

### **(Certificate of training in Critical Care Medicine)**

1. Name of Course – **Certificate of training in Critical Care Medicine (CTCCM)**
2. No. of Seats – Equal to IDCCM seats at the Centre/Institute  
e.g. If Centre is accredited & approved for 2 IDCCM seats then sanctioned
3. Mode of Selection/Agency:- Approved Centres & their Administration
4. Registration:-
  - a. Associate Membership of ISCCM – Mandatory

**Eligibility:**

**MBBS or equivalent allopathic medical degree with valid MCI registration.**

**Course duration: 2 Years**

**Registration:**

Fee of Rs 23600/- should apply online for registration

No hospital, institute or individual may levy any direct or indirect fee to an individual candidate in any relation to the course.

ISCCM Associate Life Membership is mandatory along with registration for the course. Both the forms preferable sent simultaneously in case associate membership has not been taken before.

**Fee details** : Rs 23,600 at the time of registration and mandatory ISCCM Associate Life Membership

They shall have no voting rights nor shall they contest any position in the Executive Committee.

**Late Fees Charges for courses registration:**

Candidates will be allowed to register after the deadline of registration within 7 days with late fees. Extra 50% of the course fees with GST will be charge for the registrations. (w.e.f January 2020 registrations)

### **Mandatory workshops for CTCCM Candidates:**

ACLS, Airway & 4C course (only contact programme) mandatory for CTCCM Candidates.(Applicable from 1st Jan 2020 registrations).

### **Selection**

Candidates may directly apply to the accredited Institute where they would like to pursue training.

### **Institute accreditation criteria:**

All institutes accredited for IDCCM from the date of approval.

### **Candidate assessment :**

Exit exam will be conducted at the completion of 2 years of training and will comprise of theory exam of 100 MCQ's. Practical exam to be given by only those candidates who pass theory exam. Practical exam will comprise of 2 cases (history taking, examination & documentation), 3 tables (1. Basics of ABG, ECG, Drugs, Radiology, 2. ACLS, 3. Airway & Basics of ventilation) Successful candidates will be given certificate of completion of Critical Care certificate course and can proceed to do IDCCM if they wish.They will be considered on par with Diploma candidates and should pursue IDCCM training for 22 months.

### **Training & Exam gap for candidates:**

Candidates are allowed to complete course tenure of training in a maximum period of 3 years and he /she will be allowed to appear for exam at any time in the 3 years after completion of the course.

Candidates are allowed to attempt for maximum 3 years for examinations (with maximum 3 attempts) for 1 & 2 year courses. (w.e.f January 2020 registrations).

## **Syllabus**

### **Resuscitation of critically ill patient**

- Airway, breathing and circulation during CPR
- Pathophysiology and Management of shock
- Acid base Disorders and Electrolyte Management

- Blood transfusion and fluid therapy

### **Blood transfusion and fluid therapy**

- Sedation and Analgesia in ICU
- Nutrition and Ulcer prophylaxis
- Coagulation and DVT prophylaxis
- Approach to fever in ICU
- Sepsis and multiple organ dysfunction syndrome

### **Monitoring**

- ECG and diagnosing arrhythmias
- Hemodynamic monitoring
- Basics of Echocardiography and Ultrasound

### **Respiratory disorders**

- Oxygen therapy & Mechanical Ventilation
- Acute Lung Injury and Acute respiratory distress syndrome
- Chronic obstructive pulmonary diseases & Asthma
- Pneumonia - community acquired & nosocomial
- Pulmonary embolism

### **Cardiovascular diseases**

- Acute Myocardial infarction
- Acute Myocardial infarction
- Acute heart failure
- Pericardial diseases
- Intensive care after cardiac surgery

### **Central nervous system**

- Management of stroke and cerebrovascular complications
- Seizures in critically ill
- Brain death
- Neuromuscular disorders in ICU
- Psychiatric issues in ICU

### **Hepatic & Gastroenterological disorders**

- Acute gastrointestinal bleeding
- Severe acute pancreatitis
- Hepatic failure
- Peritonitis and intra abdominal infections

## **Renal disorders**

- Acute renal failure
- Chronic renal failure

## **Haematology and Oncology problems in ICU**

- Anaemia and bleeding disorders
- Haematological malignancies
- Oncologic emergencies

## **Endocrine problems in Intensive care**

- Management of diabetes in critically ill patients & Diabetic emergencies
- Thyroid emergencies
- Adrenocortical insufficiency in critical illness

## **Obstetric problems in Intensive care**

- Obstetric emergencies in ICU

## **Surgical problems in Intensive care**

- Management of post operative cardiac patient
- The acute abdomen
- Pressure sore prevention, Necrotizing fasciitis and soft tissue infections

## **Transplants in Intensive care**

- Organ donation
- ICU care of post transplant patients

## **Critical Care of a Trauma Patient**

- Traumatic brain and spine injury
- Thoracic trauma
- Abdominal and pelvic injury
- Disaster management
- Transport of a critically ill patient

## **Environmental injuries**

- Burns and hypothermia
- Near drowning
- Management of acute poisoning

## **Infections**

- Central nervous system infections
- Pneumonia
- Infective endocarditis and infections of Prosthetic valves
- Tropical diseases
- Infections in Immunocompromised patient
- Fungal infections

### **Hospital Acquired infections**

Prevention and control of Nosocomial Infections in ICU

### **Principles of Antimicrobial use**

#### **The critically ill child**

- Paediatric cardiopulmonary resuscitation
- Care of a critically ill child
- Paediatric emergencies
- Fluid and electrolyte therapy in children

#### **Severity of illness and likely outcome from critical illness**

- Scoring systems in ICU
- End of Life care

## **Exam System CTCCM**

<b>Sr. No.</b>	<b>Exam System CTCCM</b>
<b>1</b>	The theory exams shall be held at designated <b>Prometric Centres</b> in the following cities: Ahmedabad, Bengaluru, Chennai, Gurgaon, Hyderabad, Kolkata, Mumbai and Trivandrum; Candidate can choose any one of these centers to appear for the theory exam.
<b>2</b>	All the candidates (Fresher's & Repeaters both) have to apply online for exam
<b>3</b>	If the exam form is not submitted by the last date mentioned, candidate will not be able to appear for the exam.
<b>4</b>	The theory exam format shall remain the same: 3 hours, multiple choice questions
<b>5</b>	The cut off for pass or fail, in theory exam, shall be decided by the Examination Council & result will be declared within ten days.
<b>6</b>	Only those candidates who clear theory exam will be allowed for practical's, one can have maximum two attempts in practical exams, if he/she fails to clear practical exam in two attempts, he/she has to repeat theory exam.
<b>7</b>	The practical exam (one day) will be held at different centers as previously.
<b>8</b>	Practical center and date will be allotted by the College only.
<b>9</b>	Request for change in venue or date of exams shall not be accepted in any

	circumstances.
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### **Candidate assessment**

Exit exam will be conducted at the completion of 2 Years of training and will comprise of

- A. Theory exam of 100 MCQ's.
- B. Practical exam to be given by only those candidates who pass theory exam. Practical exam will comprise of,

2 cases (history taking, examination & documentation),

3 table viva :        i. Basics of ABG, ECG, Drugs, Radiology,

                          ii. ACLS,

                          iii. Airway& Basics of ventilation

Successful candidates will be given certificate of completion of Critical Care (CTCCM) certificate course and can proceed to do IDCCM if they wish. They will be considered on par with Diploma candidates and should pursue IDCCM training for 2 Years.

All candidates who repeat the exam would have to pay the additional fee of Rs. 11,800 (Eleven thousand Eight Hundred only) per attempt and have to submit the application before prescribed deadline.

<h2><b>IDCCN</b></h2> <h3><b>(Indian Diploma in Critical Care Nursing)</b></h3>
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### **The purpose of the course is to train nurses to:**

1. Provide quality care to critically ill patients.
2. Manage & supervise care of critically ill patients.
3. Teach nurses, allied health professionals and family members in areas related to critical care nursing.
4. Conduct research in areas of critical care nursing.

### **Course Description**

This course is designed to assist students in developing expertise and knowledge in the field of Critical care Nursing. It will help students to develop



advanced skills for nursing intervention in caring for critically ill patients.

### **Objectives**

At the end of the course the students will be able to

1. Appreciate trends and issues related to Critical Care Nursing.
2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of critically ill patients
3. Describe the various drugs used in critical care by nurses - Responsibility in their administration.
4. Demonstrate advance skills/competence in managing critically ill patients including Advance Cardiac Life Support.
6. Demonstrate skill in handling various equipments used in ICU.
7. Provide comprehensive care to critically ill patients.
8. Appreciate team work & coordinate activities related to patient care.
9. Practice infection control measures.
10. Assess and manage pain.
11. Identify complications & take appropriate measures.
12. Assist patients and their family to cope with emotional distress, grief and anxiety
14. Assist in various diagnostic, therapeutic and surgical procedures
16. Identify the sources of stress and manage burnout syndrome among health care providers.
17. Teach and supervise nurses and allied health workers.
18. Design a layout of ICU and develop standards for critical care nursing practice.

**Eligibility :** GNM/BSc Nursing

### **How to apply**

The centres which are presently recognized to run IDCCM Courses are eligible to start the Indian Diploma in Critical Care Nursing. The number of candidates enrolled can be twice the number of approved IDCCM Candidates. The person taking responsibility to run the Course will be designated as Course Director and a teacher for Diploma Course conducted by ISCCM. He can nominate a Course Co Ordinator who would be responsible for implementation of the Course and should preferably be a Nurse Tutor.

The number of candidates to be enrolled can vary from 4 to 12 depending upon the approved IDCCM seats in that Institution.

A student registration form is online fees for the same is Rs. 1,180/-.

**Course tenure** : one year

The Courses start from January 1<sup>st</sup> and July 1<sup>st</sup> respectively for each term and the last dates of receipt of applications are February 28<sup>th</sup> and August 31<sup>st</sup>.

## **Syllabus**

### **Introduction to Critical Care Nursing**

Historical review- Progressive patient care (PPC)

Review of anatomy and physiology of vital organs, fluid and electrolyte balance

Concepts of critical care nursing

Principles and Scope of critical care nursing

Critical care unit set up including equipments supplies, use and care of various type of monitors & ventilators Flow sheets

### **2. Concept of Holistic care applied to critical care nursing practice**

Impact of critical care environment on patients:-

Risk Factor, Assessment of patients, Critical care psychosis,

The dynamics of healing in critical care unit:-therapeutic touch,

Relaxation, Music therapy, Guided Imagery, acupressure

Stress and burnout syndrome among health team members

### **3. Review of Drugs/Fluids Pharmacokinetics**

Analgesics/Anti inflammatory agents

Antibiotics, antiseptics

Drug reaction & toxicity

Drugs used in critical care unit (inclusive of inotropes, vasopressors and life saving drugs)

Drugs used in various body systems

IV fluids and electrolytes

Blood and blood components

Principles of drug administration, role of nurses and care of drugs

### **4. Pain Management**

Pain & Sedation in Critically ill patients

pain management-pharmacological and non-pharmacological

### **5. Infection control in intensive care unit**

Nosocomial infection in intensive care unit; Disinfection, Sterilization, Standard safety measures, Needle Stick Injury, Prophylaxis for staff Bio Medical Waste Management

## **6. Gastrointestinal System**

Medical, Surgical and Nursing management of:

Acute Gastrointestinal Bleeding, Abdominal injury,

Hepatic Disorders:- Fulminant hepatic failure, Hepatic Encephalopathy, Acute Pancreatitis, Acute intestinal obstruction, perforation Peritonitis

## **7. Renal System**

Medical, Surgical and Nursing management of:- Acute Renal Failure, Chronic Renal Failure, Management Modalities: Renal Replacement Therapy

## **8. Nervous System**

Medical, Surgical and Nursing management of:- Common Neurological Disorders:- Cerebrovascular disease, Cerebrovascular accident,

Seizure disorders,

GuilleinBarre-Syndrome, Myasthenia Gravis,

Coma, Persistent vegetative state,

Head injury, Spinal Cord injury

## **9. Endocrine System**

Medical, Surgical and Nursing Management of :-

Hypoglycemia, Diabetic Ketoacidosis,

Insulin therapy

## **10. Management of other Emergency Conditions/ Trauma**

Mechanism of injury, Cervical Spine/Thoracic injuries, Abdominal injuries, pelvic fractures, complications of trauma.

Shock: Shock syndrome, Hypovolemic, Cardiogenic, Anaphylactic, Neurogenic and Septic shock Systemic inflammatory Response: The inflammatory response, Multiple organ dysfunction syndrome Drug Overdose and Poisoning,

## **11. Cardiovascular emergencies**

Principles of Nursing in caring for patient's with Cardiovascular disorders

Assessment: Cardiovascular system: Diagnostic studies:- Cardiac enzymes studies, ECG monitoring, Holter monitoring, Stress test. Echo

cardiography, Coronary angiography Medical, Surgical & Nursing management of:- Hypertensive crisis, Coronary artery disease, Acute Myocardial infarction, Deep vein thrombosis, Cardiac arrhythmias, Heart failure Management Modalities: Thrombolytic therapy, Pacemaker – temporary & permanent, PCI/Thrombolysis, Cardioversion, Intra Aortic Balloon pump monitoring, Defibrillations, Cardiac surgeries, Coronary Artery Bypass Grafts (CABG/MICAS), Valvular surgeries Autologous blood transfusion, Radiofrequency Catheter Ablation Cardio pulmonary resuscitation BCLS/ ACLS

## **12. Respiratory System**

Acid-base balance Assessment : History & Physical Examination Pulse Oximetry, End –Tidal Carbon Dioxide, Arterial blood gas studies, chest radiography, pulmonary Angiography, Bronchoscopy Medical, Surgical and Nursing management of Common pulmonary disorders:- Pneumonia, Status asthmaticus, Interstitial lung disease, Pleural effusion, Chronic obstructive pulmonary disease, Pulmonary tuberculosis, Pulmonary edema, Pulmonary embolism, Acute respiratory distress syndrome (ARDS), Chest Trauma - Haemothorax, Pneumothorax Management Modalities:-Airway Management Ventilatory Management:-Invasive, non-invasive, long term mechanical ventilations Bronchial Hygiene:- Nebulization, deep breathing exercise, chest physiotherapy, postural drainage, Inter Costal Drainage

## **13. Burns Clinical types, classification, assessment, diagnosis, prognosis Management:**

Medical, Surgical & Nursing management of burns Fluid and electrolyte therapy – calculation of fluids and its administration Pain management

## **14. Obstetrical Emergencies**

Medical, Surgical and Nursing management of : Antepartum haemorrhage, Preeclampsia, eclampsia, Post partum haemorrhage, Puerperal sepsis, Obstetrical shock

## **15. Neonatal Paediatric emergencies**

Medical, surgical and Nursing management of Neonatal emergencies

## **16. Legal and ethical issues in critical care-Nurse's role**

Brain death & Organ donation & Counselling Do Not Resuscitate (DNR)

## **17. Quality assurance**

Standards, Protocols, Policies, Procedures Infection control; Standard safety measures Nursing audit Staffing, Design of ICU/CCU

### **Recommended Rotation**

S.No.	Deptt/Unit	No. of Months
1	Medical ICU	4 Mo
3	Surgical ICU	4 Mo
4	CCU/CTVS	1 Mo
5	Emergency Department	1 Mo
6	Dialysis Unit/ Transplant	1 Mo
8	Paediatric/ OT	1 Mo

### **ESSENTIAL CRITICAL CARE NURSING SKILLS**

#### **I. Procedures Observed**

1. CT Scan
2. MRI
3. EEG
4. Hemodialysis
5. Endoscopic Retrograde cholangioPancreaticogram(ERCP)
6. Heart/ Neuro/GI./ Renal Surgeries

#### **II. Procedures Assisted**

1. Advanced life support system
2. Basic cardiac life support
3. Arterial line/arterial pressure monitoring/blood taking
4. Arterial blood gas
5. ECG recording
6. Blood transfusion
7. IV cannulation therapy
8. Arterial Catheterization
9. Chest tube insertion
10. Endotracheal intubations

11. Ventilation
12. Insertion of central line/cvp line
13. Connecting lines for dialysis

### **III. Procedure Performed**

1. Airway management: airway adjuncts, Oxygen therapy, Non Invasive Ventilation/CPAP ET Suction, Care of tracheostomy  
Endotracheal extubation
2. Cardiopulmonary resuscitation, Basic cardiac life support,
3. Monitoring of critically ill patients – clinically with monitors, capillary refill time (CRT) assessment of jaundice, ECG.
4. Gastric lavage
5. Assessment of critically ill patients Identification & assessment of risk factors for Pressure Sores, Glasgow coma scale, Arterial pressure monitoring, cardiac output/pulmonary artery pressure monitoring, detection of life threatening arrhythmias
6. Admission & discharge of critically ill patients
7. Nutritional needs – Enteral & Parenteral formula preparation & patient education.
8. Assessment of blood sugar levels periodically & administering insulin.
9. Administration of drugs: IM, IV injection, IV cannulation calculation of dosages, blood administration.
10. Procedures for prevention of infections:  
Hand washing, disinfection & sterilization surveillance, and fumigation  
Universal Precautions.
11. Collection of specimen.
12. Setting, use & maintenance of basic equipment, ventilator, O2 analyzer, monitoring equipment, transducers, defibrillator, infusion & syringe pumps.

### **COMPETENCIES**

A Record of competencies will be issued by the recognised teacher/guide at the end of training. The following are the competencies that shall be assessed and signed after the end of each posting.

1. Recognition, assessment and stabilisation of a critically ill patient – structured and timely approach
2. Manages cardiopulmonary resuscitation
3. Manages the patient post-resuscitation
4. Triage and prioritises patients appropriately, including timely admission to ICU
5. Obtain a history and performs an accurate clinical examination
6. Undertakes timely and appropriate investigations

7. Describes indications for Endotracheal Intubation
8. Performs ECG and interprets the results
9. Recognises and manages electrolyte, glucose and acid-base disturbances
10. Chest x-rays - Liaises with radiologists to organise and interpret clinical imaging
11. Monitors and responds to trends in physiological variables
12. Co-ordinates and provides nutritional assessment and support

### **Assessment**

Certificate of Successful Completion to be given by Indian College of Critical Care Medicine after an Exit Evaluation which would include Theory (MCQ) and Viva.

### **Examination Pattern**

The examination will consist of a MCQ Exam containing 100 Questions. All questions carry equal marks. There is no negative marking. The Candidates will complete the paper in 120 minutes. The questions will be mailed to the ISCCM Examiner one day before who will act as Chief Examiner.

The candidates need to score at least 50 marks (out of a total of 100) to be declared successful. The successful candidates will take the Viva Examination.

The Viva will consist of 3 Tables to be manned by three examiners – the Chief Examiner, the Local Teacher and a Nurse Education Co ordinator invited locally.

20 minutes for each station.

Table I : Drugs/Airway/ Oxygen Therapy/Humidification

Table II : ACLS (including recognition of life threatening arrhythmias and Defibrillation) Essentials of Trauma Care,

Table III : Protocols and Nursing Practice (infection Control, Blood Sugar, DVT

Prophylaxis, Sedation Score, Pain Score, troubleshooting ventilator/Monitors.

Grand Viva (all three examiners) : Flow Sheet Documentation, Needle Stick Injury,

Biomedical Waste Management, Nutrition, Handover after shifts including Equipment Handover. Surveillance of Quality Indicators

**Appendix : 1**

**INDIAN COLLEGE OF CRITICAL CARE MEDICINE**

**Nomination form : FICCM**

**NOMINATION FORM FOR**

**FELLOW OF INDIAN COLLEGE OF CRITICAL CARE MEDICINE (FICCM)**

**Section I**

Name: .....

Father's Name: .....

Nationality: .....

Age/Sex: .....

Mailing Address.....

City .....State .....

Pin Code.....



Phone No. .... Mobile No. ....

Fax No. .... E-mail id .....

**Section II**

**Academic qualifications (Degree/Diploma/ Fellowship):**

<b>Degree/Diploma</b>	<b>Subject</b>	<b>Name of Institution/University</b>	<b>Year of Passing</b>

**Work Experience:**

<b>Designation</b>	<b>Institution/Hospital</b>	<b>Duration</b>	<b>Month/Year From : to</b>

**Special Training (If any)**

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**Awards, Honours and Scholarships:**

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**Membership in Professional Societies:**

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**Contribution to Indian Society of Critical Care** (Including membership of executive bodies, organization of Conferences, CMEs and workshops, Examinerships for critical care College exams such as IDCCM and IFCCM, participation in workshops, conference as faculty)

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**Research Publications (Attach list of publications if necessary)**

1.

2.

3.

4.

5.

**References:** Please provide names of three referees with whom you have worked in the field of critical care

1. Name :

Affiliation and Postal Address:

E-Mail Id

Phone number:

2. Name:

Affiliation and Postal Address:

E-Mail Id:

Phone number:

3. Name :

Affiliation and Postal Address:

E-Mail Id

Phone number:

**DECLARATION**

I, undersigned, declare that the information provided by me is true to best of my knowledge. I also confirm that I spend at least 50% of my professional time in the field of Critical Care Medicine. I authorize the Indian College of Critical Care Medicine to seek any information from my previous and present Employer/referee in order to aid in my application for fellowship in critical care medicine.

Name: .....

Signature:

Place:

Date :

## Appendix 2

### Institute Accreditation

## Guidelines for Accreditation of the Institute and ICU for the Critical Care Courses

#### Responsibility of Accreditation Secretary :

- Accreditation Secretary will be over all responsible for the process of accreditation including reaccreditation. It will be his/her duty to present the report to EC for final decision.

#### How to apply :

- The institution will apply on a preformed Performa available on ISCCM web site to the ISCCM secretariat.
- Each application has to be accompanied with inspection fees decided from time to time by EC of the society/College.

#### Duration of completion of Process of accreditation :

- The whole process preferably should be completed within a quarter (3 months) from the date of receipt of the application.

#### **Eligibility Criteria for accreditation for IDCCM Institutions:**

- Institutions interested in starting IDCCM can apply only if the Critical care unit have been functioning for at least 2 years.
- Institute should be a 100 bed hospital and at least 12 ICU beds with six mechanical ventilators as basic criteria.
- Institutions should have two full time faculty, who are eligible, to be considered as teachers, as per ISCCM Teachership guidelines.
- These Two teacher candidates have to apply along with the institute for recognition as IDCCM teacher .

- The institute applying for the accreditation must give an undertaking in addition to having two eligible teachers that:
  1. In case a teacher leaves the institute they will continue to provide training to the trainee
  2. All facilities in the institute will be provided to the trainee during his period of training in the institute.
- Institutions should apply for accreditation along with teacher's accreditation. Both Teachers & Institute Form will be scrutinized simultaneously for accreditation purpose.
- Institutions that do not enrol candidates for three consecutive years will automatically lose accreditation and will need to apply for re-inspection afresh, through the formal process.

<b>Institute Accreditation Fees</b>		
<b>Fresh Institute Accreditation Fees</b>	Rs. 59,000/- (Including GST)	Rs. 17,700/- Scrutiny Fees (Including GST) –Non Refundable fees Rs. 41,300/- Refundable Fees(Including GST) if the institute does not fulfill the Accreditation Criteria on screening
<b>Re- Inspection Fees of Institute</b>	Rs. 59,000/- (Including GST)	
<b>Reaccreditation Fees</b>	No Fees	

**Note:**

- **Timeline for correction of deficiencies by the institution applying for Accreditation:** Institutions will be given 3 months period to correct the correctable deficiencies. An inspection will be scheduled after that.
- **Refund of Accreditation Fees:** A processing fee of Rs 17,700/- will be deducted and the Inspection fee of Rs. 41,300/- will be refunded within 3 months period from the date of application if the institution does not fulfil the criteria on scrutiny. Once inspection is in process, no fee will be refunded..

Providing false information will result in Institute/teacher non recognition/ derecognition.

All information sent by the Institution/Teacher should be certified by the Head of the Institution.

**Eligibility Criteria for Teachers accreditation :**

- In order to be able to impart a high quality of training to candidates the teacher must fulfill the following minimum requirements:

- Teacher application will be considered along with the Institution's application. Teacher accreditation in isolation independent of Institute accreditation is not allowed (except for additional teacher from an already accredited institute)
- Teacher should be working full time in the institute to be considered as a teacher for the ISCCM course.
- Teachers must devote at least 50% of their professional time in Critical Care Medicine
- Teacher should be a Life Member of ISCCM.
- Teacher should be a post graduate degree with MCI recognised qualification- MD, MS, with at least 8 years of experience in critical care medicine post MD/MS qualification, in recognized Institute( an Institute recognised by National Board/ ISCCM/ MCI only).
- Teachers with a MCI recognised Post Graduate Diploma-DA (Diploma in Anaesthesia) or DTCD (Diploma in TB and Chest Diseases), with at least 10 years of experience in critical care medicine after MCI recognised Post Graduate Diploma, in recognized Institute( an Institute recognised by National Board/ ISCCM/ MCI only).
- Free Lancer Consultant can not apply for teachership.
- Teacher should have worked for at least one year in the institute from which he/she is applying.
- The teacher should have formal qualification in Intensive Care which can be any one or more of them: IDCCM, IFCCM, FNB - Critical Care, DM - Critical Care, DM- Pulmonary & Critical Care, FICCM (Fellow of Indian College of Critical Care Medicine) with 15 years of experience in critical care medicine post MD/MS qualification or equivalent qualification from Australia (FCICM), USA (AB Critical Care), U.K (CCT dual recognition) or Canada . These qualifications may be obtained anytime within 8 yrs post MD,/MS to fulfill the criteria to be a teacher (w.e.f Jan 2017 ).
- To be an IFCCM teacher it is expected for the Teacher to have at least two original articles publications in peer reviewed journal.
- After a teacher has left an institute he cannot take a new student in another institute for one year from the time of leaving the previous institute.
- **Associate Teacher w.e.f May 2019**  
An associate teacher should meet all the eligibility criteria laid above for the teacher except the following:
  1. Teacher should be a post graduate degree with MCI recognised qualification- MD, MS, with **at least 4 years** of experience in critical care medicine post MD/MS qualification, in recognized Institute( an Institute recognised by National Board/ ISCCM/ MCI only).
  2. Teachers with a MCI recognised Post Graduate Diploma-DA (Diploma in Anaesthesia) or DTCD (Diploma in TB and Chest Diseases), with **at least 5 years** of experience in critical care medicine after MCI recognised Post Graduate Diploma, in recognized Institute( an Institute recognised by National Board/ ISCCM/ MCI only).
- The associate teacher cannot take any candidate or be an examiner for ISCCM courses, until till they complete the 8/10 years post MD,MS/DA,DTCD respectively, required to become a full teacher years. If the senior teacher leaves the institute, the associate teacher should look after the students in the institute.The Institute should recruit a new teacher within one year of the previous teacher leaving the Institute to continue recognition.
- Associate teacher should inform ISCCM Office after completion of his/ her 8/10 years of experience.
- **The accreditation secretary can ask for additional documents from those applying to be a teacher of the college, to verify their work experience. For e.g Form 16, salary slips etc.**
- **Providing false information will result in Institute/teacher non recognition/ derecognition.**

- All information sent by the Institution/Teacher should be certified by the Head of the Institution.

### **Eligibility Criteria for IDCCM seat increases:**

- At least two IDCCM candidates must have passed from an Institute in last two years to apply for increase in seats.
- For every one seat increase, the institution should have 6 more ICU beds in addition to the existing 12 beds with two additional ventilators.
- Teacher to candidate ratio of 1:2 for IDCCM and 1:1 for IFCCM to be maintained when any seat increase is contemplated.

### **Eligibility Criteria for accreditation for IFCCM Institutions**

- Institutions can apply and will be considered for starting of IFCCM course only after 2 years of starting of IDCCM
- At least two IDCCM candidates must have passed from an Institute in last two years to be eligible to apply for IFCCM accreditation.
- IFCCM teacher must have at least two original article publications in a peer reviewed journal to be eligible.
- One IFCCM candidate will be allowed for one IFCCM teacher

### **Eligibility Criteria for Reaccreditation:**

- Institutes need to get re-accredited every three years by submitting a formal application
- There should be at least one IDCCM candidates pass out in last three years for Institute to be re-accredited.
- It is expected there is at least one IDCCM candidate recruited in last three years for an Institute to be re-accredited.
- If there is any serious concern expressed on any Institute by any of their trainees in three years, re-inspection may be done by the College for re-accreditation.
- If an Institute fails to apply for re-accreditation in stipulated time frame, recognition of the Institute for IDCCM/IFCCM training subsequently shall stand cancelled. Institute will have to submit a fresh application for accreditation.
- From 2020 an institute will be reaccredited only if they have two eligible teachers. If any teacher leaves the institute, one year period will be given to the institution to appoint a new teacher from the time the previous teacher has left the institute.
- An institute which is derecognised can apply for re-inspection after a one year cooling period.

### **Criteria for appointment of Inspectors:**

- One Inspector will be assigned for inspection of a new Institute. Inspector should mandatorily be an IDCCM teacher/Examiner for FNB or DM Critical Care for at least two years.
- Maximum of two inspections in a year to be assigned to an Inspector.
- Inspectors should not be from the same city/town.
- For re-inspection of an Institute which has failed to get accreditation during the first inspection, Institute should re-apply with the prescribed fees. Details of corrective measures have to be enclosed along with the application.
- One of the Inspectors assigned earlier to the same Institute, will be assigned to confirm rectifications and send a report.



## **Appendix : 2 a**

**ICCCM Accredited Institutes for IDCCM (Institutes & Teachers) Total Institute accredited 205**

**Click on the link to view the details of institute**

<https://isccm.org/idccm.aspx>

## **Appendix 2b**

**IFCCM: Accredited Institutes and teachers.**

**(Total Accredited Institute 63)**

**Click on the link to view the details of institute**

<https://isccm.org/ifccm.aspx>

## **Appendix : 3**

### **3a. IFCCM Training & Assessment Record Form**

**Click on the link to view the form**

<https://isccm.org/pdf/IFCCM%20Training%20and%20Assessment%20%20%20Record.pdf>

**Appendix 3b and 3c : IDCCM & CTCCM Training & Assessment record form Click on the link to view the form**

<https://isccm.org/pdf/Part1.pdf>

<https://isccm.org/pdf/Part2.pdf>

## **Appendix : 4**

**IDCCM APPLICATION available online**

<http://education.isccm.org/ApplicationType.aspx>

**Appendix :5 IFCCM APPLICATION available online**

**<http://education.isccm.org/ApplicationType.aspx>**

**Appendix :6**

**CTCCM Application available online**

**<http://education.isccm.org/ApplicationType.aspx>**

**Appendix :7**

**IDCCN Application available online**

**<http://education.isccm.org/ApplicationType.aspx>**

**Appendix :8**

**Teachers Application:**

**Click on the links to view the form**

<https://isccm.org/pdf/Teacherform.pdf>

[https://isccm.org/pdf/Associate\\_Teacherform.pdf](https://isccm.org/pdf/Associate_Teacherform.pdf)



## Appendix :9 Institute Application



**Click on the links to view the form**

<https://isccm.org/pdf/InstituteForm.pdf>

## Appendix: 10

### Education calendar: IDCCM/CTCCM/IFCCM/IDCCN

Course Schedule	IDCCM	CTCCM	IFCCM	IDCCN	FICCM
<b>Course Duration</b>	Post PG Diploma : 2 yrs  Post PG Degree : 1 yr	Post MBBS : 2 yrs	Post IDCCM : 1 yr  Post PG Degree : 2yrs	Post BSC/GNM : 1 yr	<b>Start Date of application</b>  1 <sup>st</sup> May 2019
<b>Registration Process and Tenure Starts</b>	1 <sup>st</sup> Jan 2019  1 <sup>st</sup> July 2019	1 <sup>st</sup> Jan 2019  1 <sup>st</sup> July 2019	1 <sup>st</sup> Apr 2019  1 <sup>st</sup> Oct 2019	1 <sup>st</sup> Jan 2019  1 <sup>st</sup> July 2019	<b>Last date of submission:</b> 30 <sup>th</sup> September 2019
<b>Last Date Of Registration</b>	28 <sup>th</sup> Feb 2019  31 <sup>st</sup> Aug 2019	28 <sup>th</sup> Feb 2019  31 <sup>st</sup> Aug 2019	31 <sup>st</sup> May 2019  30 <sup>th</sup> Nov 2019	28 <sup>th</sup> Feb 2019  31 <sup>st</sup> Aug 2019	<b>Decision before 31<sup>st</sup> December 2019</b>
<b>Start Date Of Exam Registration for all exam going candidates</b>	1 <sup>st</sup> Jan 2019  1 <sup>st</sup> June 2019	1 <sup>st</sup> Feb 2019  1 <sup>st</sup> July 2019	1 <sup>st</sup> March 2019  1 <sup>st</sup> August 2019	1 <sup>st</sup> Dec 2019  1 <sup>st</sup> June 2019	
<b>Last Date Of Exam Registration for all exam going candidates</b>	31 <sup>st</sup> Jan 2019  1 <sup>st</sup> July 2019	28 <sup>th</sup> Feb 2019  31 <sup>st</sup> July 2019	31 <sup>st</sup> March 2019  31 <sup>st</sup> August 2019	31 <sup>st</sup> Dec 2019  1 <sup>st</sup> July 2019	
<b>Assignment of Theory</b>	6 <sup>th</sup> Feb 2019	07 <sup>th</sup> Mar 2019	-	18 <sup>th</sup> Jan 2019	

<b>Center &amp; Hall ticket</b>	08 <sup>th</sup> July 2019	06 <sup>th</sup> Aug 2019		17 <sup>th</sup> July 2019	
<b>Theory Exam</b>	24 <sup>th</sup> Mar 2019 04 <sup>th</sup> Aug 2019	21 <sup>st</sup> Apr 2019 08 <sup>th</sup> Sept 2019	- -	23 <sup>rd</sup> Feb 2019 31 <sup>st</sup> Aug 2019	
<b>Declaration of Theory result, Assignment of Practical Centre &amp; Hall ticket</b>	2 <sup>nd</sup> Apr 2019 13 <sup>th</sup> Aug 2019	30 <sup>th</sup> Apr 2019 16 <sup>th</sup> Sept 2019	05 <sup>th</sup> Apr 2019 09 <sup>th</sup> Sept 2019	- -	
<b>Practical Exam</b>	27 <sup>th</sup> & 28 <sup>th</sup> Apr 2019 14 <sup>th</sup> & 15 <sup>th</sup> Sept 2019	25 <sup>th</sup> & 26 <sup>th</sup> May 2019 12 <sup>th</sup> & 13 <sup>th</sup> Oct 2019	04 <sup>th</sup> & 05 <sup>th</sup> May 2019 05 <sup>th</sup> & 06 <sup>th</sup> Oct 2019	24 <sup>th</sup> Feb 2019 1 <sup>st</sup> Sept 2019	
<b>Practical Exam Results</b>	07 <sup>th</sup> May 2019 23 <sup>rd</sup> Sept 2019	3 <sup>rd</sup> June 2019 21 <sup>st</sup> Oct 2019	13 <sup>th</sup> May 2019 14 <sup>th</sup> Oct 2019	5 <sup>th</sup> Mar 2019 9 <sup>th</sup> Sep 2019	

## **Appendix 11 : Exam Form**

### **Appendix 11 (a) IDCCM Exam Form-Theory & Practical**

**Indian Society of Critical Care Medicine**

**Indian College of Critical Care Medicine**

***Exam Form***

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## Indian Diploma of Critical Care Medicine

Date of Examination: **Theory: March 12<sup>th</sup>, 2017 Practical: April, 15<sup>th</sup> or 16<sup>th</sup>, 2017 (any one day)**

Fresher/Repeater: \_\_\_\_\_

Candidate Name: \_\_\_\_\_

Name of the Institute: \_\_\_\_\_

Name of the teacher: \_\_\_\_\_

**Kindly submit the scanned copy of this exam form, by 10<sup>th</sup> February 2017, at the following email ids: [education@isccm.org](mailto:education@isccm.org) & [executive\\_college@isccm.org](mailto:executive_college@isccm.org)**

**If this form is not submitted by the last date mentioned above, you will not able to appear for the exam. Examination center shall be allotted by the college only after the receipt of this form**

**Kindly chose Theory center from the list provided, Practical Center will be allotted by College only. Request for change of venue or date of exams shall not be accepted in any circumstances.**

Choice of Theory Exam Center (From the list provided) \_\_\_\_\_

Address of candidate: \_\_\_\_\_

\_\_\_\_\_ City \_\_\_\_\_

State: \_\_\_\_\_ Pincode: \_\_\_\_\_

Email: \_\_\_\_\_ Mobile: \_\_\_\_\_

Date of Joining the Course: \_\_\_\_\_

Date of Completion of Course: \_\_\_\_\_

Fee Details if repeater: Cheque/DD no. \_\_\_\_\_ Date \_\_\_\_\_

**(Signature of candidate)**

Please note that if you are appearing for the first time in the exam, you should complete the form your teacher should complete the **SECTION I** and the hospital administrator should complete **SECTION II**. Repeat takers are not required to complete SECTIONS I & II, but should make a self-declaration on the courses attended.

**SECTION I**

**Completion Certificate**

I confirm that Dr. ....

has completed/likely to complete the requisite training at .....

From ..... / ...../ ..... to ...../...../.....

and also attended the following Workshops during his / her training.

Sr. No.	Workshop	Date	Venue	Attended YES/NO
1	Advanced Cardiac Life Support (ACLS)			
2	Mechanical Ventilation			
3	4C Course			
4	Refresher Course			
5	Haemodynamic Monitoring			
6	Others			

**(Note: Kindly attach the photocopy of workshop certificate attended)**

\_\_\_\_\_

Name & Signature of Teacher

Date

**SECTION II**

I certify that Dr ..... has completed/likely to complete  
one / two year training in our Institution, namely .....  
.....  
From .... /...../..... to .... /...../..... , in Department of Critical Care Medicine

Signature of MS/MS/CEO of the Institution with Seal

**Theory Exam Centers**





- 1) Kolkata Millennium City, IT Park  
DN-62  
Sector- V, Salt Lake  
Kolkata - 700091
- 2) Ahmedabad 5th Floor, Unit 501, Parshwanath Esquare  
Praladnagar Crop. Road  
Praladnagar, Satellite  
Ahmedabad - 380051
- 3) Chennai Unit#8, 3rd Floor, Centennial Square  
No. 6A, Dr Ambedkar Road  
Kodabakkam, Chennai - 600024
- 4) Bangalore 3rd Floor, Tower B Prestige Shanti Niketan  
Bangalore South Taluk  
Bangalore - 560066
- 5) Mumbai Unit #1,2,3 6th Floor, Techniplex-I  
Techniplex Complex, VeerSavarkar Flyover  
Goregaon (W), Mumbai - 400062
- 6) Hyderabad 9th Floor, Unit 2, Kapil Towers IT Block,  
Survey No. 115/1, Nanakramguda, Serilingampaly Mandal,  
Gachibowli, Hyderabad - 500032
- 7) Gurgaon Megacentre Gurgaon, Prometric  
2nd Floor, Iris Tech park  
Sector - 48, Sohna Road  
Gurgaon (Haryana) - 122001
- 8) Trivandrum 7th Floor, KEK Towers  
Opposite TRIDA, Vazhuthacaud,  
Trivandrum, Kerela - 695010

## **Appendix 11 (b) IDCCM Exam Form- Practical**

## Indian College of Critical Care Medicine

### ***Exam Form***

#### **Indian Diploma of Critical Care Medicine**

Date of Examination: **Practical: April, 15<sup>th</sup> or 16<sup>th</sup>, 2017 (any one day)**

Fresher/Repeater: \_\_\_\_\_

Candidate Name: \_\_\_\_\_

Name of the Institute: \_\_\_\_\_

Name of the teacher: \_\_\_\_\_

**Kindly submit the scanned copy of this exam form, by 10<sup>th</sup> February 2017, at the following email ids: [education@isccm.org](mailto:education@isccm.org) & [executive\\_college@isccm.org](mailto:executive_college@isccm.org)**

**If this form is not submitted by the last date mentioned above, you will not be able to appear for the exam. Examination center shall be allotted by the college only after the receipt of this form**

**Practical Center will be allotted by College only. Request for change of venue or date of exams shall not be accepted in any circumstances.**

Address of candidate: \_\_\_\_\_

\_\_\_\_\_ City \_\_\_\_\_

State: \_\_\_\_\_ Pincode: \_\_\_\_\_

Email: \_\_\_\_\_ Mobile: \_\_\_\_\_

Date of Joining the Course: \_\_\_\_\_

Date of Completion of Course: \_\_\_\_\_

Fee Details if repeater (If applicable: online fees. \_\_\_\_\_ Date \_\_\_\_\_

**(Signature of candidate)**