

Brochure
for
Postgraduate
Certificate Course in
Transfusion
Medicine (PGCTM)

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Introduction of Prathama Blood Centre

We designed Prathama Blood Centre, (www.prathama.org) as an effort towards modern and economical blood banking for developing countries, on lines of modern blood banks in Europe and USA, in the year 2000. To make the model work in Indian economy where per capital income is about USD 500, a lot of indigenization was done. The Blood bank stands on 1500 sq. mtr. land, which we got free from Ahmedabad Municipal Corporation. Project was financially designed as a self sustaining “not for profit”, modern blood bank.

“Prathama” in Sanskrit stands for “First & the Foremost”. This was also our driver to make a very unique blood centre for India.

We created Prathama’s building, which is Monolithic, Exposed Concrete, Sculptured, Fire resistant, Earthquake resistant and Flood resistant with carpet area of about 30,000sq. ft. The building got awards and coverage in best international magazines. We developed our own specialized “Blood Mobile Vans”, “Blood Bank ERP” system with barcoding, system and machine software interface and many other equipment and fixtures to avoid expensive international equipment. Prathama team is now 120 members. The five focal areas of blood bank were:

- 1. Mass society mobilization for 100% voluntary blood donation.*
- 2. 100% blood components and no whole blood.*
- 3. Giving blood components without replacement in shortest possible time.*
- 4. Blood safety.*
- 5. Economies of scale.*

Prathama now receives 46,000 voluntary blood donations (after 30% deferment) per annum, distribute >110,000 blood components and serves about 30,000 patients in the city of Ahmedabad in Gujarat State, India.

Services

*We collect over three thousand blood units and give out over six thousand units of components as the gift of life to the patients every month. Prathama Blood Centre also passes on subsidies to patients of thalassemia, hemophilia and poor patients. We have been recognized by the **Government of India** as a centre for research. **World Health Organization** has recognized Prathama as one of the 16 centers all over south East Asia, which participate in Quality assurance program and training program for overseas candidates.*

Teaching and training

We have regular in-house teaching programs and CMEs since inception of the Organization. We are the first blood centre in the country to start a DNB program in Transfusion Medicine. We have conducted training (about CME / symposium every year) programs for doctors, technicians. There have been programs for doctors and

technicians from other states sponsored by government organizations. We are ISO 9001:2008 and NABH certified blood centre, which indicate our commitment for quality.

2. About Post graduate Certificate course in Transfusion Medicine Program:

The Aims and Objective of this program is to:

- To give platform for MBBS doctors in the field of Blood Banking.
- To provide skilled doctors to handle and manage blood banks.
- Reduce their acute shortage by this training program.

3. Eligibility criteria:

The applicant must be medical graduate with basic MBBS degree. They should have completed compulsory rotatory internship and possess the registration certificate issued by the Medical Council of India (MCI). The upper age limit is 35 years; the age limit may be relaxed at the discretion of the selection committee for doctors in medical service in the government/ public sector/ private sector undertakings and sponsored for the training by their parent institutions. Applicants from such institutions should apply through proper channel with “No objection certificate” from the institutional head.

4. Application procedure:

1) Eligible medical graduates are to submit their applications as per the application format given in the website; www.prathama.org along with demant draft for Rs. 500/- drawn in the favor of “ Prathama Blood Centre” payable in “ Ahmedabad” as application fee. The details in respect of 2010 post graduate training program are as under:

- Last date for receipt of applications – 1st May 2010.
- Date of interview of shortlisted candidates – 15th May 2010.
- Date of commencement of the course – 1st August 2010.

2) Venue for interview/Admission:

- Board Room, Prathama Blood Centre, Ahmedabad.

3) Completed application form should include photocopies of the following documents:

- MBBS degree certificate.
- Internship certificate.
- Registration certificate issued by Medical Council of India (MCI).
- Experience certificates, if any.

5. Selection procedure:

- Applications will be assessed by the selection committee headed by Chief Medical Coordinator, Prathama blood centre, Ahmedabad.
- Short listed candidates will be called for interview. They will be intimated individually and will report at the specified date and time along with originals of the certificates submitted by them for verification.
- Late or incomplete application will be rejected.
- No correspondence will be entertained with the rejected applicants.

- Applicants who appear in the interview and are declared successful will be directed to meet the H R coordinator on the same day, who will explain to them the terms and conditions of the training programme and their contractual obligations.
- Before joining the training program, selected applicants will pay the prescribed fee and will enter into a formal Agreement with the “Prathama Blood Centre” which will be based as per the contractual obligations and the terms and conditions explained by the H R Coordinator.

6. Fee structure and stipend:

✦ Fee: Rs. 50,000 per semester

✦ Stipend: Rs. 15,000/month

7. Accommodation:

- We will arrange cheap and nearby located accommodation for students.
- Student pays the accommodation and food expenses.
- Student is entitled for TCS coupons as per policy.

8. Student leave pattern and liabilities:

- The post graduate training doctors will be granted leaves as per the leaves rules and regulations laid down by the management.
- The jurisdiction for court cases/disputes shall be in the state of Gujarat in the Honorable High Court of Gujarat.

9. Library facility:

The institution has good reference Library with internet facility and students are entitled to use it for academic purpose between routine working hours from 9:00 AM to 5:00 PM on all working days.

10. Course, Duration and Batch capacity:

✦ Self sustained training program by Prathama.

✦ Total duration is 18 months for training.

✦ Capacity: Six doctors in one batch.

✦ The students will work and undertake training in the 4 major sections on rotation basis which are mentioned below:

1. Blood donation Section (7 months)
2. TTI Section (5 months).
3. Immuno-hematology Section (6 months).
4. Component Section (5 months).

11. Curriculum:

✦ This teaching curriculum will be cover in 1 academic year.

✦ Initial 3 months consider for their orientation and understanding the basic of blood banking and Prathama.

✦ Academic year start 3 months after initiation of program and finish 3 months before completion of course.

- ✦ *Teaching program include at least 3 lectures and 1 journal club/month.*
- ✦ *Students undergo exams (theory as well as practical) in the last month of training course.*
- ✦ *Passing marks will be 50% (including theory and practical).*
- ✦ *Successful candidate will entitle for certificate.*

12. Syllabus:

1. *Changing trends in transfusion medicine.*
2. *Physiology and biochemistry of blood:*
3. *Immunology.*
4. *Blood group systems.*
5. *Blood collection and processing.*
6. *Component preparation:*
7. *TTI testing of blood units.*
8. *Quality control and quality assurance.*
9. *Reagents and preservative solutions.*
10. *Pre transfusion testing.*
11. *Blood and blood components.*
12. *Hazards of blood transfusion.*
13. *Apheresis and Therapeutic Procedures*
14. *Autologous transfusion.*
15. *HDN and management.*
16. *Medicolegal issues in Transfusion Medicine.*
17. *Transplantation*
18. *Haemotherapy*
19. *Recent advances in blood banking*
20. *Organization and management of blood banking*
21. *Automation and computerization*
22. *Blood Donation Mobilization Programme*
23. *Financial Management In Blood Banking Programme*

13. Teaching faculty and external teaching faculty:

- 1) *Dr. Ravindra Pratap Singh, Medical Coordinator, PBC*
- 2) *Dr. Sunita Tulsiani, QA Manager, PBC Medicine*
- 3) *Dr. Irshad Malek, Associate Transfusion Specialist, PBC*
- 4) *Dr. Jawalant Shah, MD – Clinical & Molecular Pathologist Unipath Laboratories*
- 5) *Dr. Mohan Galande. MD-Haematopathologist, Unipath Laboratories*
- 6) *Mr. Ravishankar, Director Social Services, PBC*
- 7) *Mr. Mahesh Mohatta, Managing Director, PBC*
- 8) *Dr. Kishore Maheshwari, Medical Coordinator-Blood Drives*
- 9) *V Harimoorthy, Chief Technical Officer, PBC*
- 10) *Dr. Urmish Chudgar, MD FAAP, (Paed Oncologist)*
- 11) *Dr. Sanat Acharya, Manager Transfusion Support, PBC*
- 12) *Ms. Prutha Dave, IT Co-ordinator, PBC*
- 13) *Mr. Naresh Mehta, Finance Coordinator, PBC*
- 14) *Dr. Uday Deotare, BMT Specialist*

Application form
for
Postgraduate
Certificate Course in
Transfusion
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Work address, if any:.....
.....

Telephone:..... Fax:.....

Education Qualifications:

S.N.	Board	Year	University	% of marks

Other relevant training / education. Current job / position?

1.....
2.....
3.....
4.....

Agreement

<p><i>I confirm that all the information provided in this form and the enclosures is true and complete. I am aware that I may be expelled from the Post Graduate Programme at any time should the information provided prove to be incorrect or false.</i></p> <p><i>By signing this form I acknowledge that enrollment in the Post Graduate Programme entails no obligation to provide financial support except stipend money for my participation in the programme.</i></p> <p>Name of applicant:..... Signature:</p> <p>Date: Place.....</p>

Please provide the following which should be sent together with this application form:

1. Application form
2. DD of Rs. 500/- in favour of “Prathama Blood Centre” payable at Ahmedabad.
3. Copy of your MBBS degree.
4. Copy of internship certificate.
5. Copies of experience certificate, if any
6. Passport size photograph, 3 copies.

Send your complete application form to:

PRATHAMA BLOOD CENTRE

ADVANCED TRANSFUSION MEDICINE RESEARCH FOUNDATION

B/h, Jivraj Mehta Hospital, Dr. C. V. Raman Marg, Vasna, Ahmedabad – 380 007

Phone: 079 – 26600101, Fax: 079 – 26611850

E-mail: prathama@prathama.org, web address: www.prathama.org

Please direct your requests for information and questions to the coordinator:

hr@prathama.org

savita@prathama.org

www.prathama.org

The Management reserve the right to change the terms and conditions of the training program as these relate to admission procedure, course fee, duration of program ,rules and regulations applicable to the post graduate training.