

Blood Bank

One of the vital departments of any hospital cum medical college, SSKM Hospital Blood Bank started functioning in a 24 hour basis from 1996. Previously it remained open for eight hours from 10 AM to 6 PM. From then onwards it is contributing and catering to the patient load of SSKM Hospital as well as sometimes to outside hospitals. Component separation license was granted in the year 2010 and from then onwards four components are being supplied to patients. There has been an increase in the number of blood donation camps over the past few years and now people are coming forward to voluntarily donate blood. The Donor Section has been revamped this year and presently having four donor couches along with bio-mixer for smooth in-house donation.

Achievements over the last 11 months (Jan-Nov, 2015) are as follows:

Voluntary blood donation

1) We have organized number of voluntary blood donation camps during the period

Total collection: 19969

Male Donor: 16850 Female Donor: 3119

2) We also did in-house collection which usually is called replacement donation.

Total collection: 3171

Male Donor: 3014 Female Donor: 157

So total collection is **23140** units

Testing for TTIs

Each and every blood unit is tested mandatorily for five TTIs (Transfusion Transmitted Infection)

Summary Report on TTI reactivity based on confirmation date

• HIV	34
• HBsAg	253
• HCV	167
• Syphilis	3
• Malaria	Nil

All the reactive cases are communicated and counseled to attend further for confirmation. Unfortunately very few are interested to come for further screening. For HIV reactive cases who do not turn up, a tracking list is prepared for grass route level tracking and management.

All the TTI non-reactive blood units are grouped and kept ready for allotment to patients. TTI reactive blood units are grouped and discarded.

In the said period we have handled and allotted blood against **23882** requisitions among which 21178 requisitions were supplied with blood or components.

Component preparation

We have the License to prepare four components from the whole blood. Components are:-

1) Packed Red Blood Corpuscle (PRBC)

- 2) Fresh Frozen Plasma (FFP)
- 3) Random Donor Platelet (RDP)
- 4) Cryoprecipitate of plasma

We usually prepare first three as the demand for Cryoprecipitate is very rare and also the quadruple blood bag is not readily available.

In the period we collected/prepared:

- Whole Blood - 17571 units, PRBC - 5515 units, FFP - 5002 units and RDP - 1773 units

We have supplied:

- Whole Blood - 16548 units, PRBC - 5292 units, FFP - 4087 units and RDP - 1383 units

We do not have sufficient space in the Blood Bank and do not have optimum store. We have got the ground floor for the purpose of store. It is under renovation.

We procured four Donor couches and four Bio-mixers through IPGME&R store for our Donor Section in 2014. This year we also have got two portable tube sealer and one ELISA Reader and Washer along with Computer and Printer from NACO.

Integrated Counseling and Testing Centre (ICTC)

It is the Centre where blood is tested for HIV, anyone can volunteer to test his or her blood. Doctors from various departments send the blood of their patients for testing of HIV. Blood Donors, whose blood has been screened as TTI reactive, are also asked to attend ICTC for counseling and testing. In every case report is kept confidential. Those, who are found reactive, are sent or even accompanied to ART (anti retroviral treatment) Centre. ICTC personnel also refer the clients or patients having chronic cough, to RNTCP clinic, for testing sputum for tuberculosis.

Other activities

Like every year we celebrated World Blood Donor Day during the period 14th June to 13th July. Actually the "World Blood Donor Day" is on 14th June, but we celebrate it for one month. On 11th July we arranged one Seminar at the Blood Bank. Thereafter a rally with decorated tableau and flex posters was arranged. We also celebrated "National Voluntary Blood Donation Day" during the whole month of October.
