

# **DONOR SCREENING AND VOLUNTARY BLOOD DONATION CAMPS**

## **SOURCE OF BLOOD**

- Blood Donor
- Value Blood Donor as **VIP**
- Should meet defined Donor Selection criteria

# BLOOD DONATION

Cornerstone of safe and adequate blood supply :

- Motivation
- Recruitment
- Retention of voluntary , non-remunerated blood donors

## TYPES OF BLOOD

### DONORS

1. Voluntary Non Remunerated Donors
2. Replacement Donors
3. Allogeneic Donors
4. Autologous Blood Donors
5. Apheresis Donors
6. Directed Donors
7. Professional Donors

# DONOR SELECTION

- Registration, Demographic information and Consent of the donor
- Medical history
- Physical examination
- Laboratory tests

## STAGES OF BLOOD DONOR SCREENING

1. Pre-Donation information
2. Pre-Donation counselling
3. Donor Questionnaire and medical examination
4. Counselling during Blood Donation
5. Post-donation counselling

## Donor Information

Donor be informed about blood donation and safety

**Mandatory testing** for HIV, HCV, HBV, Syphilis & Malaria

(he/she should indicate on the donor registration card, whether he/she wishes to know the report of the testing)

## DONOR DEFERRAL

Self Deferral

Temporary Deferral

Permanent Deferral

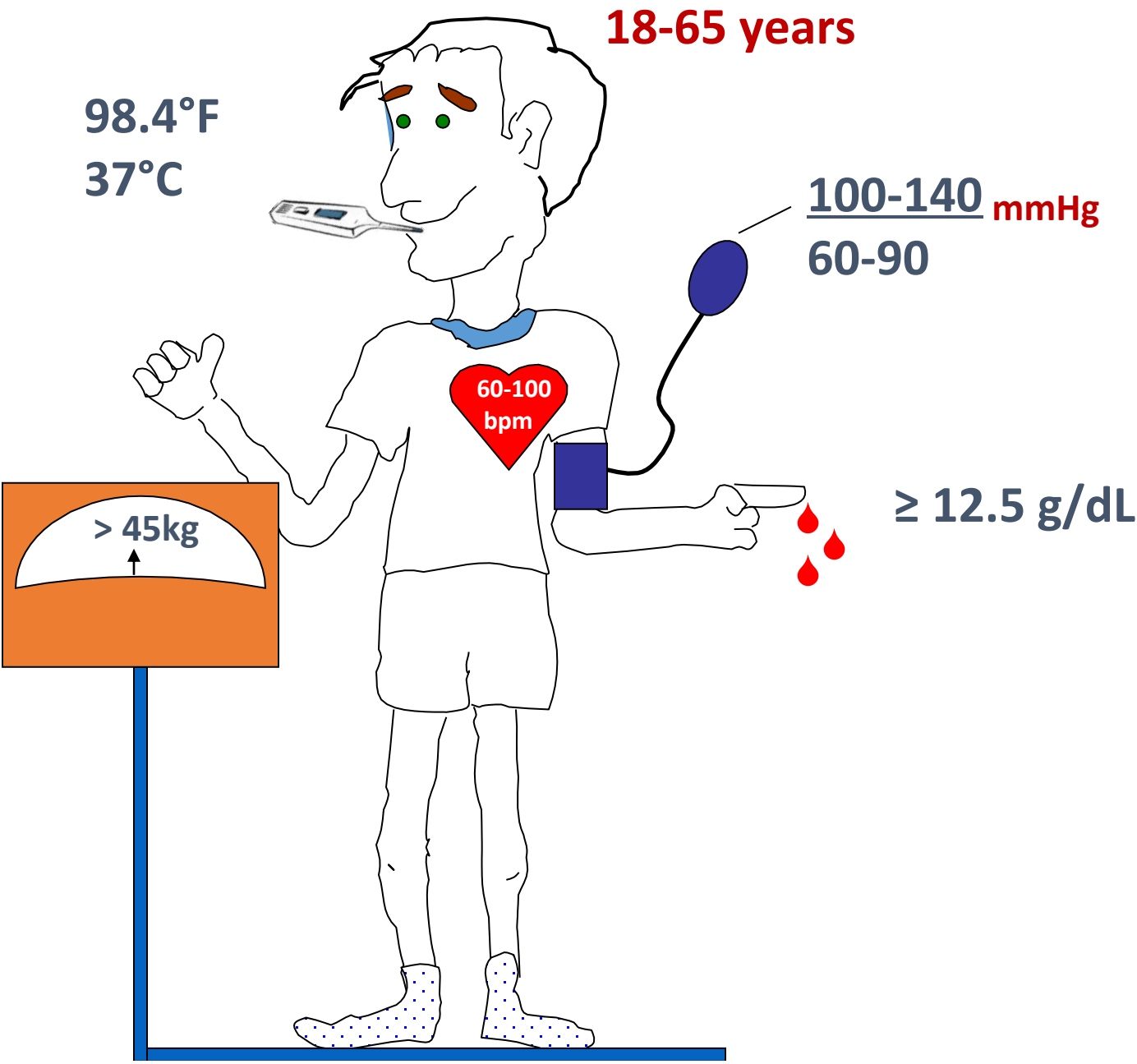
## PRIVATE INTERVIEW (High Risk Behaviour)

- History of multiple sexual partners or sex with Commercial Sex Workers- defer permanently
- High risk donors such as long route drivers, jail inmates, homosexuals, I/V drug abusers - defer permanently

### INFORMED CONSENT

**The donor has to sign the consent for blood donation on the Donor Questionnaire form**

# Criteria for selection of blood donors



## Donor Selection Criteria (General)

| S.No. | PARAMETER             | CRITERIA                                                                                                                                                                                                                                       |
|-------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.    | Well Being            | <ul style="list-style-type: none"><li>➤ Good health, mentally alert, physically fit</li><li>➤ Not an inmate of jail</li><li>➤ Not fasting</li><li>➤ Differently abled or those with communication or sight difficulty- valid consent</li></ul> |
| 2.    | Age (Years)           | <ul style="list-style-type: none"><li>➤ 18-65, if First time donor&lt;60</li><li>➤ Apheresis 18-60</li></ul>                                                                                                                                   |
| 3.    | Weight (Kg)           | <ul style="list-style-type: none"><li>➤ 45 – 350ml</li><li>➤ ≥ 55 – 450ml</li><li>➤ Apheresis- &gt;50kg</li></ul>                                                                                                                              |
| 4.    | Temperature           | 37°C /98.4 F(Afebrile)                                                                                                                                                                                                                         |
| 5.    | Pulse (Beats/ min)    | 60-100,Regular                                                                                                                                                                                                                                 |
| 6.    | Blood Pressure(mm Hg) | Systolic =100-140 Diastolic = 60-90 with or w/o medications; No drug alteration in past 28 days                                                                                                                                                |

| S.No. | PARAMETER              | CRITERIA( General)                                                                                                                                                                                                                                                      |
|-------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7.    | Haemoglobin (g/dl)     | $\geq 12.5$ & $\leq 17.5$                                                                                                                                                                                                                                               |
| 8.    | Respiration            | ➤ Free from acute respiratory disease                                                                                                                                                                                                                                   |
| 9.    | Last Donation Interval | ➤ For whole blood- 3 months for male &<br>➤ 4 months for female<br>➤ $\geq 48$ hrs- platelet/ plasma apheresis<br>➤ 28 days – if donated whole blood and candidate for plateletpheresis<br>➤ 12 months – Bone Marrow Harvest<br>➤ 6 months – Peripheral Blood Stem Cell |
| 10.   | Meal                   | ➤ Not Fasting; Last meal- Within 4hours                                                                                                                                                                                                                                 |
| 11.   | Alcohol Intake         | ➤ Not regular heavy alcoholic<br>➤ No signs of alcohol intoxication<br>➤ Not taken heavy alcohol previous night                                                                                                                                                         |

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| S.No. | PARAMETER                                      | CRITERIA(General)                                       |
|-------|------------------------------------------------|---------------------------------------------------------|
| 12.   | Occupation                                     | Air crew member,LRVD,strenuous worker -24 hours         |
| 13.   | Travel and Residence                           | Not with H/O Endemic Area for diseases                  |
| 14.   | Donor Skin                                     | Phlebotomy site free from scars                         |
| 15.   | Nonspecific illness- malaise, pain or headache | Defer till all symptoms subside and patient is afebrile |

Donor Selection Criteria

| S.No. | PARAMETER                    | CRITERIA<br>(Physiological Status for Women) |
|-------|------------------------------|----------------------------------------------|
| 16.   | Pregnancy or recent delivery | Defer for 12 months after delivery           |
| 17.   | Abortion                     | Defer for 6 months after abortion            |
| 18.   | Breast feeding               | Defer for total period of lactation          |
| 19.   | Menstruation                 | Defer for the period of Menstruation         |
| S.No. | PARAMETER                    | CRITERIA<br>(Surgical Procedures)            |
| 20.   | Major Surgery                | Defer for 12 months after recovery           |
| 21.   | Minor Surgery                | Defer for 6 months after recovery            |
| 22.   | CABG                         | Pemanently defer                             |
| 23.   | Oncosurgery                  | Pemanently defer                             |
| 24.   | Received BT                  | 12 months deferral                           |
| 25.   | Dental Surgery UA            | 6 months deferral after recovery             |
| 26.   | Tooth Extraction             | 6 months deferral after extraction           |

| S.No. | PARAMETER                                                                                      | CRITERIA<br>(Liver Diseases and Hepatitis Infection)                                                                    |
|-------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| 27.   | Hepatitis                                                                                      | Known Hepatitis B or C – Permanently defer<br>Known A or E – Defer for 12 months<br>Unknown Hepatitis-Permanently defer |
| 28.   | Spouse/ partner/ close contact of individual suffering from hepatitis                          | Defer for 12 months                                                                                                     |
| 29.   | At risk for hepatitis- tattoos, acupuncture or any body piercing by self of for spouse/partner | Defer for 12 months                                                                                                     |
| 30.   | Spouse partner receiving transfusion of blood/ components                                      | Defer for 12 months                                                                                                     |
| 31.   | Jaundice                                                                                       | Accept if attributed to h/o gall-stones, Rh disease, mononucleosis or in neonatal period                                |
| 32.   | Chronic Liver Disease/Liver Failure                                                            | Permanently defer                                                                                                       |



| S.No. | PARAMETER                                                                               | CRITERIA<br>(HIV Infection /AIDS)                                                                       |
|-------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| 33.   | At Risk for HIV Infection<br>(Transgender, MSM,CSW,IVD,MSP )                            | Permanently defer                                                                                       |
| 34.   | Known HIV positive person or<br>spouse/partner of PLHA (Person<br>living with HIV AIDS) | Permanently defer                                                                                       |
| 35.   | Person with symptoms suggestive<br>of AIDS                                              | Permanently defer person having LAP,<br>prolonged fever, diarrhea irrespective<br>of HIV risk or status |
| S.No. | PARAMETER                                                                               | CRITERIA<br>(Sexually Transmitted Infections)                                                           |
| 36.   | Syphilis(Genital Sore or generalized<br>skin rashes)                                    | Permanently defer                                                                                       |
| 37.   | Gonorrhea                                                                               | Permanently defer                                                                                       |

| S.No. | PARAMETER                          | CRITERIA<br>(Other Infectious Diseases)                                                                                                  |
|-------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 39.   | H/o Measles, Mumps,<br>Chicken Pox | Defer for 2 weeks following full recovery                                                                                                |
| 40.   | Malaria                            | Defer for 3 months following full recovery                                                                                               |
| 41.   | Typhoid                            | Defer for 12 months following full recovery                                                                                              |
| 42.   | Dengue/ Chikungunya                | ➤ Defer for 6 months following full recovery<br>➤ If visit to endemic area- 4 wks following return<br>if no febrile illness              |
| 43.   | Zika virus/ West Nile<br>virus     | ➤ Defer for 4 months following full recovery<br>➤ If visit to endemic area- defer for 4 months<br>following return if no febrile illness |
| 44.   | Tuberculosis                       | Permanent deferral(DCA)                                                                                                                  |
| 45.   | Leishmaniasis                      | Permanent deferral                                                                                                                       |
| 46.   | Leprosy                            | Permanent deferral                                                                                                                       |

| S.No. | PARAMETER                                                                                      | CRITERIA<br>(Other Infections /<br>Diseases/disorders)               |
|-------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| 47.   | Conjunctivitis                                                                                 | Defer for the period of illness and continuation of local medication |
| 48.   | Osteomyelitis                                                                                  | Defer for 2 years following completion of treatment and cure         |
| 49.   | Autoimmune disorders like SLE,Scleroderma,Dermatomyositis, Ankylosing spondylitis or severe RA | Permanently Defer                                                    |
| 50.   | Malignancy                                                                                     | Permanently Defer                                                    |
| 51.   | Severe Allergic Disorders                                                                      | Permanently Defer                                                    |

| S.No. | PARAMETER                                                                                                             | CRITERIA<br>(Hematological<br>Conditions) |
|-------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| 52.   | Polycythemia vera                                                                                                     | Permanently Defer                         |
| 53.   | Bleeding disorders and unexplained bleeding tendency                                                                  | Permanently Defer                         |
| 54.   | Haemoglobinopathies and red cell enzyme deficiencies with known h/o hemolysis                                         | Permanently Defer                         |
| 55.   | Donors with unexplained delayed fainting and/or associated with injury or two consecutive faints following a donation | Permanently Defer                         |
| 56.   | Recipients of Organ,Stem cell and Tissue transplants                                                                  | Permanently Defer                         |

| S.No. | PARAMETER                                                          | CRITERIA<br>(Respiratory (Lung) Diseases)                                    |
|-------|--------------------------------------------------------------------|------------------------------------------------------------------------------|
| 57.   | Cold , flu,cough,sore throat or Acute Sinusitis                    | Defer until all symptoms subside and donor is afebrile                       |
| 58.   | Chronic Sinusitis                                                  | Accept unless on antibiotics                                                 |
| 59.   | Asthmatic attack                                                   | Permanently Defer                                                            |
| 60.   | Asthmatics on steroids                                             | Permanently Defer                                                            |
| S.No. | PARAMETER                                                          | CRITERIA<br>(Digestive System Diseases)                                      |
| 61.   | Diarrhea (if in preceding week especially if associated with fever | Defer for 2 weeks after complete recovery and last dose of medication        |
| 62.   | GI endoscopy                                                       | Defer for 12 months                                                          |
| 63.   | Acid peptic disease                                                | Accept if with acid reflux, mild esophageal reflux, GERD, mild hiatus hernia |
|       |                                                                    | Permanently Defer if symptomatic gastric ulcer or with recurrent bleed       |

| S.No. | PARAMETER                                                              | CRITERIA<br>(Cardiovascular Diseases) |
|-------|------------------------------------------------------------------------|---------------------------------------|
| 64.   | Any active symptom (chest pain, shortness of breath, swelling on feet) | Permanently Defer                     |
| 65.   | Myocardial infarction (Heart attack)                                   | Permanently Defer                     |
| 66.   | Cardiac medication (Digitalis, Nitroglycerine)                         | Permanently Defer                     |
| 67.   | Hypertensive heart disease                                             | Permanently Defer                     |
| 68.   | Coronary artery disease                                                | Permanently Defer                     |
| 69.   | Angina Pectoris                                                        | Permanently Defer                     |
| 70.   | Rheumatic Heart disease with residual change                           | Permanently Defer                     |

| S.No. | PARAMETER                                                | CRITERIA<br>(Kidney disease)                                                  |
|-------|----------------------------------------------------------|-------------------------------------------------------------------------------|
| 71.   | Acute infection of Kidney (pyelonephritis)               | Defer for 6 months after complete recovery and last dose of medication        |
| 72.   | Acute infection of Bladder(cystitis)/UTI                 | Defer for 2 weeks after complete recovery and last dose of medication         |
| 73.   | Chronic infection of kidney/kidney disease/Renal failure | Permanently Defer                                                             |
| S.No. | PARAMETER                                                | CRITERIA<br>(CNS /Psychiatric Diseases)                                       |
| 74.   | Convulsions and epilepsy, Schizophrenia                  | Permanently Defer                                                             |
| 75.   | Migraine                                                 | Accept if not severe and frequency is < 1 ep. Per week                        |
| 76.   | Anxiety and Mood D/o                                     | Accept if stable and feeling well on day of donation regardless of medication |

| S.No. | PARAMETER                                                                              | CRITERIA<br>(Endocrine Disorders)                                                                                                                                                                                                                            |
|-------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 77.   | Diabetes Mellitus                                                                      | Accept if DM is well controlled by diet or oral hypoglycemic medication , with no h/o orthostatic hypotension, no h/o infection, neuropathy or vascular disease( e.g. peripheral ulceration)<br>Defer if medication altered/ dosage adjusted in last 4 weeks |
| 78.   | Multiorgan Involvement as complication of DM                                           | Permanently Defer                                                                                                                                                                                                                                            |
| 79.   | Thyroid disorders                                                                      | Accept Benign thyroid disorders if Euthyroid (like Asymptomatic goiter, h/o Viral Thyroiditis, Auto-immune hypothyroidism)<br>Defer if thyroid status is under investigation or unknown                                                                      |
| 80.   | Thyrotoxicosis due to Grave's disease, Hypo/Hyper thyroid, H/O Malignant Thyroid tumor | Permanently Defer                                                                                                                                                                                                                                            |

| S.No. | PARAMETER                                                                                                                                       | CRITERIA<br>(Medications)                                                                      |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| 81.   | Oral contraceptives, Analgesics, Vitamins, Mild sedative and tranquillizers, Allopurinol, Cholesterol lowering medications                      | Accept                                                                                         |
| 82.   | Salicylates (Aspirin), other NSAIDs                                                                                                             | Defer for 3 days if blood is to be used for platelet preparation                               |
| 83.   | Ketokonazole, Antihelminthic drugs including Mebendazole                                                                                        | Defer for 7 days after last dose                                                               |
| 84.   | Antibiotics, Ticlopidine, Clopidogrel, Piroxicam, Dipyridamole                                                                                  | Defer for 2 weeks after last dose                                                              |
| 85.   | Etrenitate, Acitretin or Isotretinoin (For Acne), Finasteride (For Benign Prostatic Hyperplasia) Dutasteride (For Benign Prostatic Hyperplasia) | <div>➤ Defer for 1 month after last dose</div> <div>➤ Defer for 6 months after last dose</div> |
| 86.   | Radioactive contrast material                                                                                                                   | Defer 8 weeks                                                                                  |

| S.No. | PARAMETER                                                                                                                 | CRITERIA<br>(Medications)                                |
|-------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| 87.   | Any medication of unknown nature                                                                                          | Defer till details are available                         |
| 88.   | Oral anti-Diabetic drugs                                                                                                  | Accept if there is no alteration of dose in last 4 weeks |
| 89.   | Insulin                                                                                                                   | Permanently Defer                                        |
| 90.   | Anti-arrhythmic, Anti-Convulsions, Anti-coagulant, Anti-thyroid drugs, Cytotoxic drugs, Cardiac failure drugs (Digitalis) | Permanently Defer                                        |
| 91.   | Cortisone                                                                                                                 | Defer for 7 days after the last dose(DCA)                |

| S.No. | PARAMETER                                                                                                                                                                | CRITERIA<br>(Vaccination and Inoculation) |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| 92.   | <b>Non live vaccines and Toxoid-</b> Typhoid, Cholera, Papilloma-virus, Influenza, Meningococcal, Pertussis, Pneumococcal, Polio injectable, Diphtheria, Tetanus, Plague | Defer for 14 days(2weeks)                 |
| 93.   | <b>Live attenuated vaccines-</b> Polio (oral), Measles (Rubella), Mumps, Yellow fever, Japanese Encephalitis, Influenza, Typhoid, Cholera, Hepatitis A                   | Defer for 28 days(4 weeks)                |
| 94.   | Anti-Tetanus serum, anti-venom serum, anti-diphtheria serum, anti-Gas Gangrene serum                                                                                     | Defer for 28 days(4 weeks)                |
| 95.   | Anti-rabies vaccination following animal bite, Hepatitis B immunoglobulin, Immunoglobulins                                                                               | Defer for 1 year                          |

Brief Physical examination

- General Examination
- Weight
- Visual inspection of antecubital fossa
- Pulse
- Blood Pressure

## Laboratory Testing

- Hb estimation
- Blood Grouping

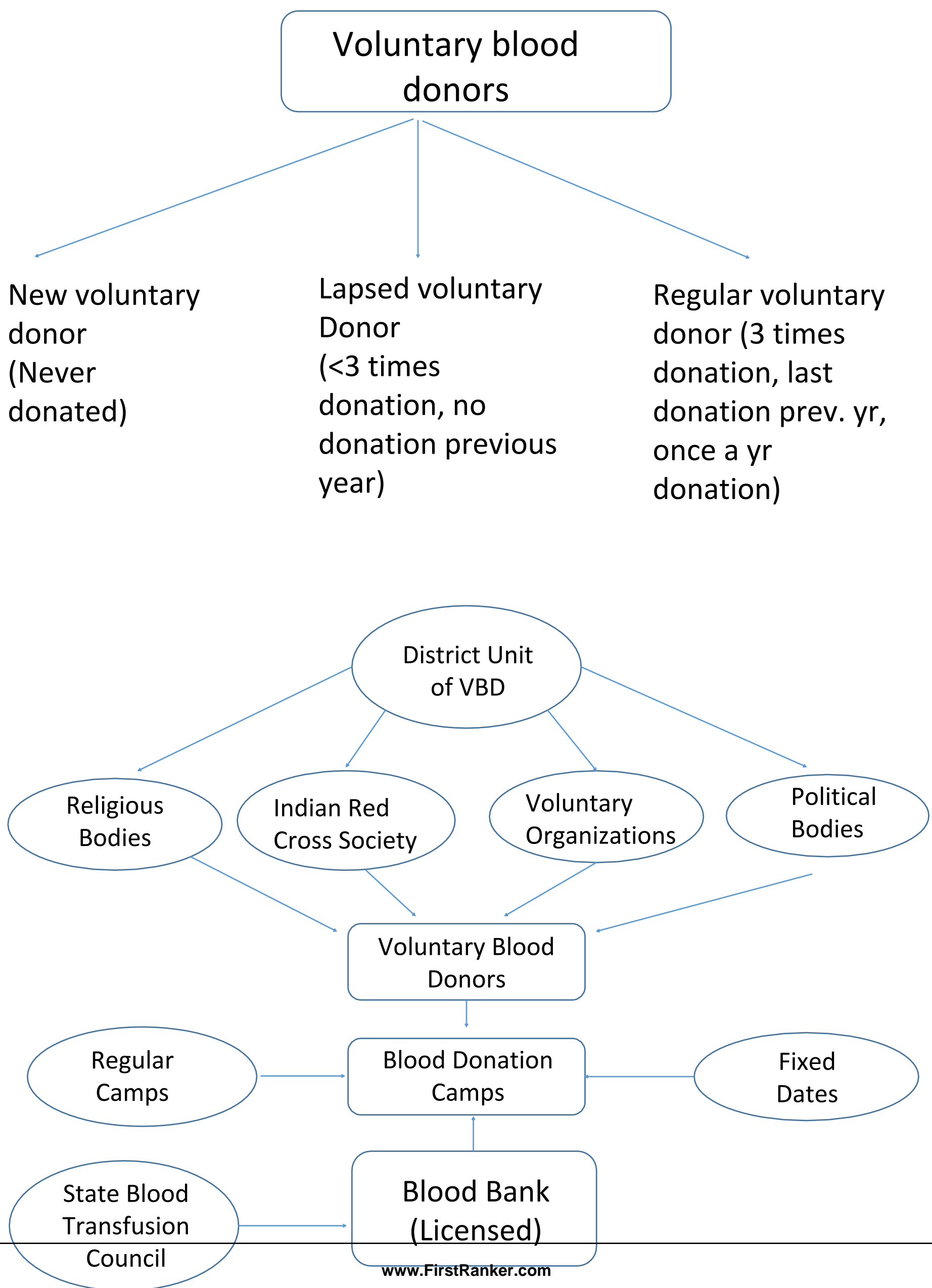
## VOLUNTARY BLOOD DONATION CAMPS Donation Camp

### Aim:

- To curb the scarcity of blood
- To ensure availability of safe quality blood and other blood components round the clock and throughout the year
- Actively encourage voluntary blood donation and gradually eliminate professional donors
- Educating community on beneficial aspects of blood donation and harmful effect of collecting blood from paid donors
- Promote AIDS awareness and education to general public



**Voluntary Blood Donors**  
Voluntary blood donation refers to unpaid, non-remunerated blood donation





# Estimation of Requirement of Blood

## Four Approaches

- In relation to hospital beds
- In relation to total population
- In relation to medical facility available in the region
- In relation to past blood usage

Source- WHO-BSI/GDBS 2007

## **Blood donation in camps**

### **Advantages:**

- Voluntary blood donations
- Healthy pool of donors
- Convenient to donors
- Friendly atmosphere
- Retention of regular donors

### **Disadvantages:**

- Increased tendency of donor reactions
- Inconvenience to blood bank team if outdoors

## **Sites for Blood Donation Camp**

- Educational institutions
- Offices ,Banks
- Sports associations, fitness club
- Religious associations

Not in areas with predominantly high risk population

## **ORGANIZERS**

1. Licensed designated Regional Blood Transfusion Centre
2. Licensed Government Blood Centre
3. Indian Red Cross Society
4. Licenced Blood Centre run by registered voluntary or charitable organizations recognized by State or Union Territory Blood Transfusion Council (BTC)

Source: DGHS

# Organisations involved in holding a blood donation camp

Involvement of following partners is essential to hold a blood donation camp:

1. State blood transfusion council
2. Blood Centre
3. Blood donor organisation/NGO
4. Organisers/ Sponsors
5. Donor motivators/ social workers

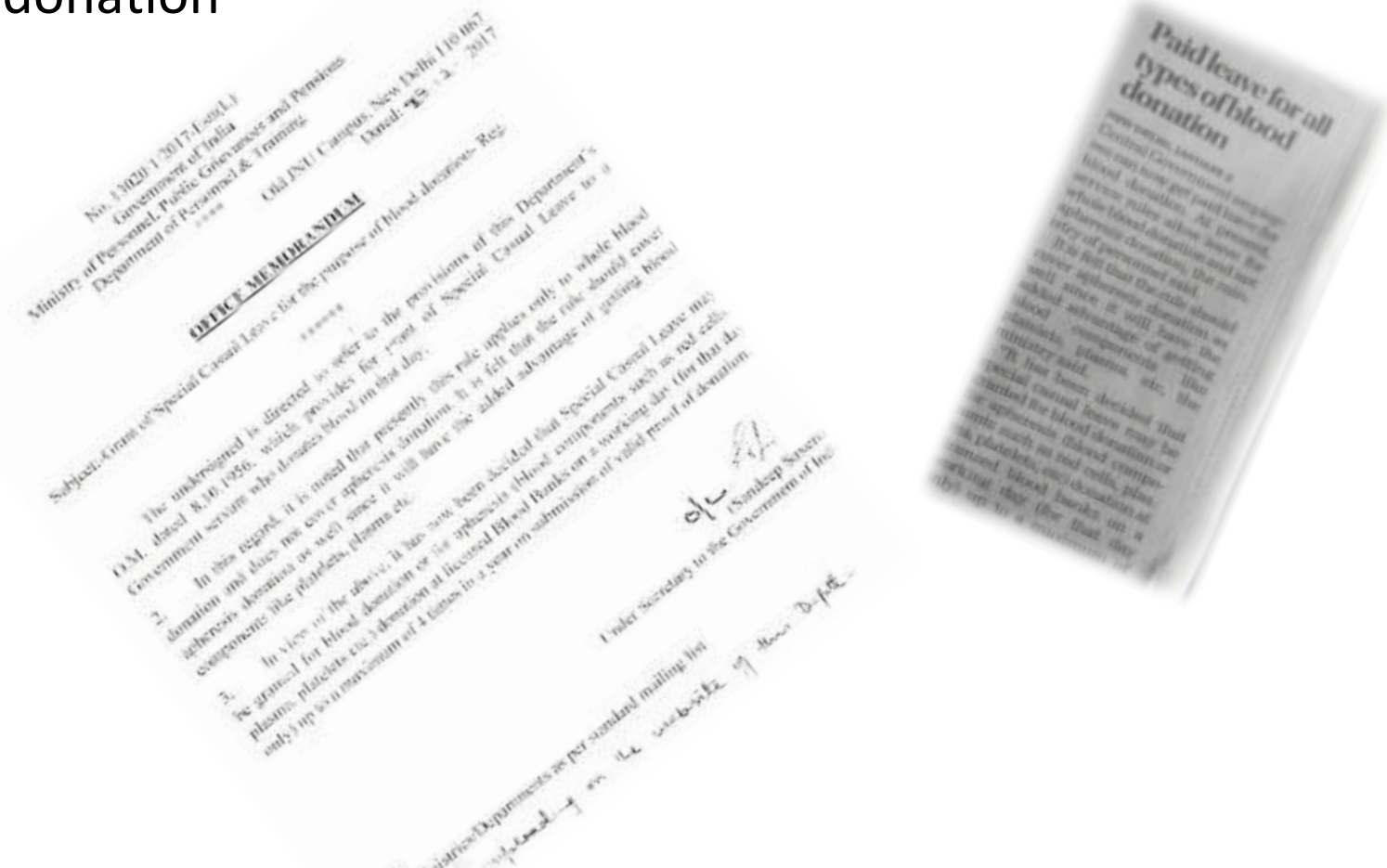
NACO 2007: Voluntary Blood Donation Programme

## Designated Regional Blood Transfusion Centre

- Approved and designated by a BTC constituted by a State Government
- Licensed and approved by the Licensing Authority and Central Licence Approving Authority
- To collect, process and distribute blood and its components
- To fulfill needs of the region

## Special Casual Leave

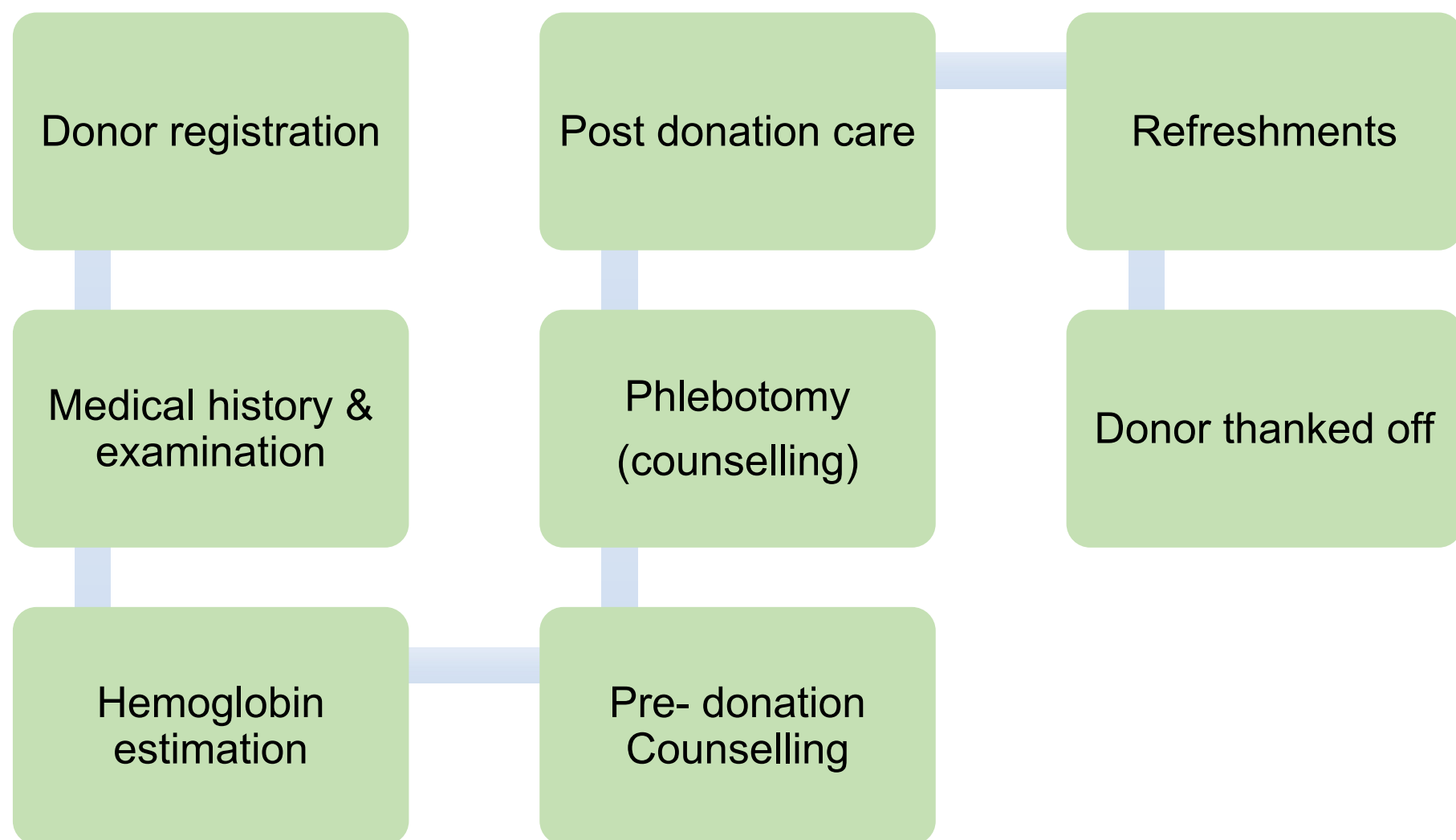
- Grant of special casual leave to govt. servant who donates blood on that day
- Applies to maximum four times a year on submission of valid proof of donation



## Phases of Blood Donation Camp

1. Pre- camp phase
2. Camp phase
3. Post camp phase

## Camp process flow



## Pre-camp phase

- Blood Banks provide requirement to Blood donor organisation
- Blood donor organisation co-ordinates with various schools / colleges/ universities, industries, religious bodies, etc.
- Date, time and venue are fixed with organisers
- Number of donations required is discussed with organisers
- Blood Donor Organisation liaises with Blood Centre and camp givers about a mutually convenient date
- Blood Bank sends written information to SBTC

- Blood Bank official visits site of venue to inspect its suitability for the camp - A checklist may be provided to organiser
- Few days before the camp, NGO/ Social Worker/ Donor Motivator can arrange a talk on importance of voluntary blood donation to the potential donors
- IEC materials on the subject should be provided to organisers to be displayed in their working premises

## **Camp site inspection checklist**

Shall meet following criteria so as to allow proper operation, maintenance and cleaning :

- Sufficient area
- Hygienic location
- Continuous and uninterrupted electrical supply for equipments
- Provision for coolers or heaters depending on weather
- Adequate lighting for all the required activities
- Furniture and equipment arranged within the available place

## Contd....

- Reliable communication system to the central office of the Controller/ Organiser of the camp
- Facilities for medical examination of the donors
- Clean drinking water supply for donors
- Refreshment facilities for donors and staff
- Hand-washing facilities for staff
- Proper disposal of waste

## Written information of camp

- E-Mail to SBTC
- Letter to Medical Superintendent(MS)
- Letter to PRO for vehicle

## Vehicle used for transportation:

- Seating capacity of 8-10 persons
- Provision for carriage of donation goods including facilities to conduct a blood donation camp

## Personnel Required

- One Medical Officer and two nurses or phlebotomists for managing 6-8 donor tables
- Two medico social workers
- Three blood bank technicians
- Two attendants



# Equipment Checklist

## For donor screening :

- Donor questionnaire, pens
- BP apparatus
- Stethoscope
- Weighing device for donors
- Portable Hb meter/copper sulphate.
- Lancets, cuvettes, cotton swabs, gloves

## For blood collection :

- Donor couches
- Blood collection monitor
- Portable tube sealer
- Plain and EDTA vials
- Test tube stand
- Screens
- Bedsheet, blankets
- Gloves, spirit, betadine, cotton swabs, adhesive tape, guaze, band-aids

- Blood bags
- Stripper for blood tubings
- Transport box with ice packs
- Color coded biomedical waste bags
- Emergency medical kit
- Donor cards, certificates

### For donor refreshment:

- Juices
- Biscuits
- Water

# Camp phase

- [illegible]

- Bleeding area should have adequate lighting and proper ventilation.
- Bleeding procedures should be as per standards.
- Provision for donor refreshment.
- Provision for management of donor reactions.
- Area should be cordoned off from other persons.
- Camp should be completed at the stipulated time.

## Waste disposal in camps

| Type of waste                        | Disposal              |
|--------------------------------------|-----------------------|
| Cotton swabs, gauge                  | Yellow bins           |
| Lancets, blood bag needles           | White sharp container |
| Cuvettes                             | 1% Hypochlorite       |
| Blood bag tubings                    | Yellow bins           |
| Gloves                               | Red bins              |
| Paper, wrappers, empty juice packets | Black bins            |

- Before leaving the camp premise, Blood Donors and Organisers should be appreciated for their gesture.
- The blood bank team should reach their destination in time.

### **Incentives**

- Incentives like pins, badges and plaques for specified number of donations help in repeat donations
- Other incentives or awards, simple and attractive of minimal commercial value, are useful in retaining donors

## **Post camp phase**

- Medical Director must send letters of appreciation to the Organiser for arranging the camp.
- They should be encouraged to organize similar camps on a regular basis.
- Blood Donors of the camp should receive thank-you letters and blood group cards either individually or through their particular organization.
- Constant touch with blood donors to be maintained through birthday cards, anniversary cards, etc.

## **Government Blood Centre and Indian Red Cross Society shall intimate:**

- within a period of seven days
- venue where blood camp was held
- details of group wise blood units collected
- to the licensing Authority and Central Licence Approving Authority
- Monthly details of camp sent to NACO alongwith other details of blood bank

## **Special ceremonies**

- Annual award ceremonies: to acknowledge and congratulate people who have donated blood many times or assisted in promoting the voluntary donations.
- Widely publicize and invite prominent citizens to address the donors and organizations/ institutions for their valuable and outstanding service to the community.
- Donors, recruiters, institutions and organizations: cups, trophies and shields for their contributions in voluntary blood donations.

- Annual award ceremonies held by our department on 14<sup>th</sup> June and 1<sup>st</sup> October
- Poster competition, muktad natak, appreciation to regular donors, appreciation to camp organizers
  - Should be decided in the start of year
  - Camps should be evenly distributed through out the year
  - Particular months of expected increased demand to be taken care of

## Mass blood donation camps

- Very large number of donors
- Should not be encouraged
- Increased wastage of units
- Instead 3-4 blood bank teams can be called at a place if number of donors is high
- NACO has passed an addendum that maximum donation units from a camp should not exceed 500

# REFERENCES

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