

# Autologous blood banking

- **Appointment**

[An appointment is required for autologous blood banking.](#)

After you are informed by an attending doctor, please come to the Center for Transfusion Medicine and Cell Therapy to schedule for an appointment in advance.

[There is a guideline for autologous blood banking.](#)

If you do not meet the eligibility requirements, your blood cannot be collected.

[The volume of blood drawn is 200 or 400 mL once.](#)

It is depending on your age, weight, physical condition, and blood results.



[The volume of collecting your blood for banking is 200–400 mL per a week.](#)

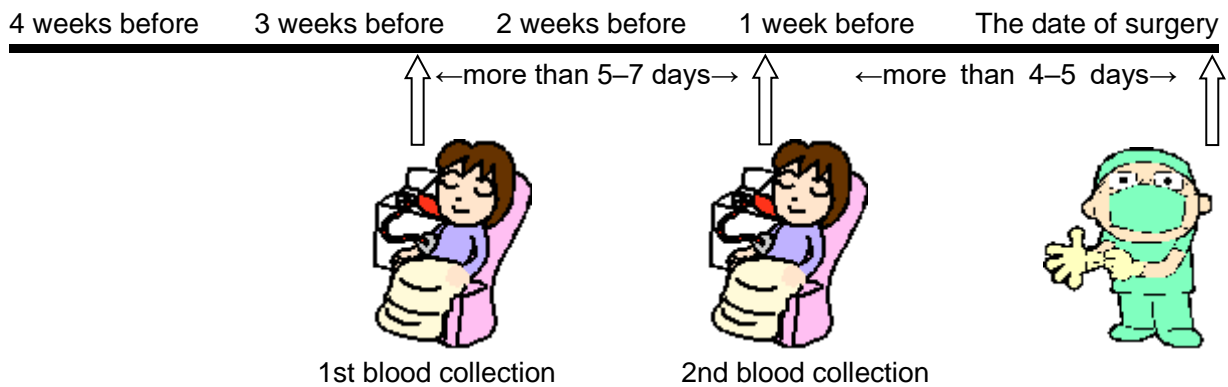
The schedule for blood collection for banking is determined, taking account of the period up to the date of surgery, physical condition, and the period required for recovery of blood condition.



Your blood will be collected at least 4 to 5 days before the date of surgery.

If your blood is collected twice or more, there must be an interval of 5-7 days between each collection.

Autologous blood cannot be stored for long periods of time.



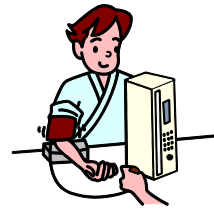
## ● Procedure

Autologous blood is collected at the Center for Transfusion Medicine and Cell Therapy.

### 1. Check your condition

Blood pressure and temperature are checked, and your physical condition is asked.

Please inform us in advance if your surgery date is changed and you are taking any medication.



### 2. Patient Identification and writing on blood bag

You are asked to write down your name and birthday, which have been checked in advance, on the blood bag on your own.

### 3. Collection of autologous blood

A needle is inserted in a vein in the upper arm for collection.

It takes about 10 min.

### 4. Intravenous fluid for rehydration

After collecting blood, intravenous infusion is performed for water supply.

After collecting blood, normal saline or 5% glucose solution is infused intravenously for rehydration purposes.



### 5. Check stopping of bleeding and physical condition

After removing the needle, pressure is applied for 10 min to stop bleeding. If you have no problem on your condition, you can go home after your physical condition and stopping of bleeding are checked.

It usually takes 40–50 min from entering the room to leaving.



- **Instructions for spending time during autologous blood collection**

- [1. At home](#)

You should get enough sleep on the day before.



Before coming to the hospital, you should have a substantial breakfast and get yourself in better physical condition.

You need to take a medication as usual.



Blood may not be collected depending on your physical condition, such as fever, diarrhea, extraction, or injuries.



Please contact the Center for Transfusion Medicine and Cell Therapy to discuss your appointment and your physical condition.



[2. Instructions when collecting your blood](#)

Please come to the Center for Transfusion Medicine and Cell Therapy Reception 5 min before your scheduled appointment time after completing registration using the automated check-in machine on the 1st floor.



Please go to the bathroom in advance.



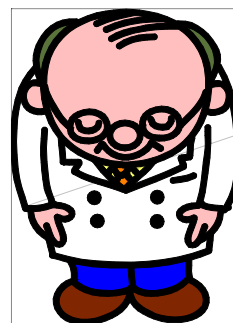
Please report to a doctor or nurse before starting blood collection if your physical condition is not good or the surgery date is changed.



Blood collection for banking may be cancelled, or the schedule may be changed according to the physical condition or examination results.

Please tell a doctor or nurse immediately without hesitation when you feel sick or the pain or numbness in the needle insertion site is getting worse during blood collection.

It may be difficult to collect your blood because of a small vein.



### 3. Instructions after collecting your blood

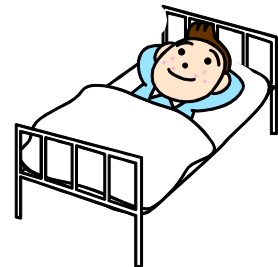
Please go home after drinking water to avoid dehydration and having enough rest inside the hospital.



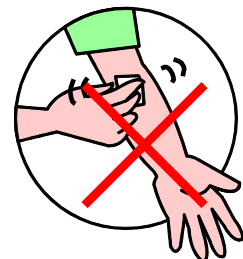
Please take care of yourself on the day and avoid exercise, drinking, and having a long bath.



Please have enough rest and do not hurry if you experience dizziness, vertigo, and cold sweat.  
Lying on an incline with the head lower than the feet is effective.



Getting swollen or bleeding internally may be found in the needle insertion site later on.



Please do not massage or rub the needle insertion site.  
Please do not lift a heavy weight with the arm used for blood collection.

#### 4. Taking iron tablets

Iron tablets are prescribed by each Clinical Department.

You should continue to take it from the date of initial blood collection to the date of surgery.

Iron tablets may make your stools (feces) black, but you do not need to be worried.

Please consult us if you experience any symptoms in your stomach and intestines (heaviness in stomach, constipation, diarrhea, etc.).

During blood collection, you can have the same meals as usual.

If a large volume of blood needs to be collected for banking, Epoetin alfa (ESPO®), blood formation-stimulating agents, may be used for recovery of blood condition.

It is given through subcutaneous injection after collecting your blood.

Use of this agent is determined according to the blood results.



## 5. Other

All blood collected for blood banking are stored in the Center for Transfusion Medicine and Cell Therapy.

We will make every effort to manage blood storage. However, blood may be unable to be used because of unanticipated problems such as a damaged bag or contamination.

All stored autologous blood is discarded in case it cannot be used for surgery and the storage period is over.

Autologous blood is stored for a safer surgery. We make a plan depending on each type of surgery without being too much of a burden to the patient. We would be grateful for your cooperation.

If you have any questions or notice anything, please consult the Center for Transfusion Medicine and Cell Therapy for any questions.

## **Contact Information**

Center for Transfusion Medicine and Cell Therapy, Keio University Hospital

Tel: 03-3353-1211  
8:30 a.m.–4:30 p.m.  
(Except closing days)

