Autologous Blood Therapy
Program Design/Set Up Assistance

Working in conjunction with the Physicians/Facility, PRFUZN offers assistance with:

- Design of the Autologous Blood Recovery/Usage Program
- Design of the Autologous Blood Component Therapy Program
- Selection of Equipment
- Selection of Disposable Supplies
- Coordination with the Various Related Departments and Services of the Facility
- Inservices for Related Personnel
- Related Policies and Procedures
- Inventory Control Model

Various Clinical Packages/Programs are Available

PRFUZN can Provide:
- Personnel
- Disposable Supplies
- Equipment

Each of the above may be provided separately or in combination

PRFUZN Also Offers Educational Programs/Seminars for Existing Healthcare Workers

These Offerings can be Customized to:
- Review
- Expansion of Knowledge
- Adjunct to Cross-Training
- Semi-Basic Orientation

Advanced Medicine Through Autologous Blood Therapy

PRFUZN Incorporated

120 Courtney Lane Brandon, Mississippi 39042

601-824-3915

601-824-5962 (FAX)

PRFUZN@bellsouth.net

A Mississippi Medical Services Corporation
Specializing in Cardiopulmonary Bypass, Autologous Blood Therapy and Medical Education
AUTOTRANSFUSION

For many types of planned surgery, patients generally lose so little blood that they may not need a transfusion.

However, if the need arises, blood may be obtained from two principal sources.

One is from a blood bank. This blood is called homologous blood and it is donated by healthy volunteers. Although the community blood supply is usually very safe, there are risks, which include allergic reactions, transmission of viral infections, transfusion errors and unavailability.

The second kind of blood source is autologous blood. This is the safest blood available. There is no risk of allergic reaction or viral infection, because it is the patient’s own blood. And, as it is the patient’s own blood, it is always available and there are no transfusion errors.

Autologous blood is collected during an operation. A special machine collects, filters, and cleanses the patient’s blood and then the blood is given back.

Autotransfusion may be utilized in both elective and emergent situations.

ILLUSTRATIONS

Platelet Gel to Face Lift

Platelet Gel to Sternum CV Surgery

Platelet Gel to Molar Extraction

Platelet Gel to Knee Surgery

PRP (Platelet Gel)

A new technique has recently been developed, in which the patient’s own blood is electively collected immediately prior to their surgery and processed, at bedside, through a special centrifuge or modified autotransfusion machine.

With the aid of a special computer program, the blood is separated into three basic components, plasma, platelets, and red blood cells.

Depending upon the amount of blood drawn (55-450 ml), the plasma and RBC’s may be returned to the patient.

The platelets are mixed with special medications, which cause them to change into Platelet Gel.

Platelet Gel is placed into and/or over the surgical wound during and at the end of the operation.

Benefits of Platelet Gel are: control of bleeding (less swelling and bruising), quicker healing (contains tissue growth factors), infection control (wound sealant), diminished patient discomfort, and a quicker return to everyday activities.