

JEHOVAH'S WITNESSES

MEDICAL ALTERNATIVES TO BLOOD

1.

NOT ACCEPTABLE

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| <ul style="list-style-type: none"> ✓ <i>Whole Blood</i> ✓ <i>Packed Red Blood Cells</i> ✓ <i>Plasma</i> ✓ <i>White Blood Cells</i> | <ul style="list-style-type: none"> ✓ <i>Platelets</i> ✓ <i>Autotransfusion of predeposited blood</i> ✓ <i>Any technique that involves blood storage</i> |
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2.

ACCEPTABLE ALTERNATIVES

Blood-Oxygen Monitoring Devices:

- ✓ Transcutaneous Pulse Oximeter
- ✓ Pediatric ultra-microsampling equipment
- ✓ Multiple tests per blood draw [batching]

Hematopoietic Agents:

- ✓ Iron Dextran (Ferrlecit, Infed, Venofer [IV-form])
- ✓ Folic Acid
- ✓ Vitamin B-12
- ✓ Vitamin C
- ✓ Granulocyte-Colony Stimulating Factor (*Neupogen*)
- ✓ Granulocyte Macrophage Colony Stimulating Factor
- ✓ Interleukin-II (*Neumega*)
- ✓ Antibolic Androgenic Hormones
- ✓ Recombinant Stem-Cell Factor (*Sternogen*)

Hemostatic Agents to Promote Clotting:

- ✓ Topical: Avitene, Gelfoam, Oxycel, Surgicel
- ✓ Injectable: Desmopressin (*DDAVP*),
e-aminocaproic acid (*Amicar*),
Tranexamic acid (*Cyklokapron*),
Vasopressin (*Pitressin*), conjugated
estrogens, Aprotinin (*Trasylol*),
Vincristine (*Oncovin*),
Vitamin K (*Phytonadione*)

Operative & Anesthetic Techniques for Surgery:

- ✓ Hypotensive Anesthesia
- ✓ Induced Hypothermia
- ✓ Mechanical occlusion of bleeding vessel

Oxygen Therapy:

- ✓ Hyperbaric Oxygen
- ✓ Perfluorocarbon Solutions

Recombinant Antihemophilic Factors:

- ✓ Recombinant Factor VIIa (*NovoSeven*)[®]
- ✓ Recombinant Factor VIII (*ReFacto*)
- ✓ Recombinant Factor IX (*BeneFIX*)

Surgical Devices & Techniques:

- ✓ Electrocautery
- ✓ Laser Surgery
- ✓ Argon Beam Coagulator
- ✓ Gamma Knife Radiosurgery
- ✓ Microwave Coagulating Scalpel
- ✓ Endoscope
- ✓ Arterial Embolization
- ✓ Ultrasonic Scalpels
- ✓ Cryosurgery
- ✓ Minimally Invasive Surgery

Volume Expanders:

- ✓ Crystalloids: Ringers' Lactate, Normal and Hypertonic Saline
- ✓ Colloids: Dextran, Gelatin, Hetastarch, (*Hespan*, *Hextend*, *Pentastarch*)

Important note: All product names listed here are for identification purposes only. This sheet does not constitute an endorsement or promotion.

3.

PERSONAL DECISION

Medical Products & Therapy:

- ✓ Albumin
- ✓ Cryoprecipitate (contains small amt. of plasma)
- ✓ EPO-Erythropoietin (contains small amt. of albumin)
- ✓ Hemoglobin-based blood substitutes
- ✓ Hemophiliac preparations (non-synthetic)
- ✓ Immune Globulins
- ✓ Interferon (natural & synthetic buffered with albumin)
- ✓ Organ transplants and donations
- ✓ Plasma Protein Fraction (*Plasmanate*)
- ✓ Tissue adhesives
- ✓ Wound healing factors (platelet deriv.)

Medical Test:

- ✓ Red & white blood cell tagging

Recombinant Antihemophilic Factors:

- ✓ Recombinant Factor VIII (*Kogenate* - small amt. of albumin)

Surgical Procedures (non-blood primed & no storage):

- ✓ Dialysis & heart-lung equipment
- ✓ Hemodilution
- ✓ Intraoperative & postoperative blood salvage (*cell saver*)
- ✓ Therapeutic Ap^h resis