

Our team

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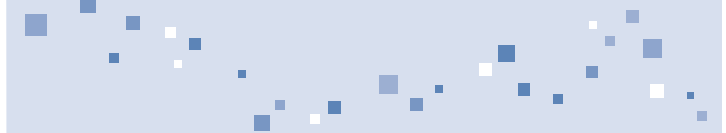
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Your guide to bloodless surgery and medicine



Legacy Health



EMANUEL Medical Center	GOOD SAMARITAN Medical Center	MERIDIAN PARK Medical Center	
MOUNT HOOD Medical Center	SALMON CREEK Medical Center	RANDALL CHILDREN'S HOSPITAL Legacy Emanuel	
LEGACY MEDICAL GROUP	LEGACY LABORATORY	LEGACY RESEARCH	LEGACY HOSPICE

A leader in bloodless surgery

Why bloodless surgery?

Due to religious beliefs or other personal convictions, many people object to receiving blood transfusions or other blood products as part of their medical treatment.



World-renowned leader

Legacy Bloodless Surgery and Medicine Program is the oldest program of its kind in the United States, and the only formal bloodless surgery program for children. Established in 1991, our program is recognized around the world as a leader in bloodless surgery.

Thousands of Legacy Health patients from the U.S. and abroad have undergone highly complex medical treatments and surgeries — brain, open heart, orthopedic, urologic, vascular and gastrointestinal — without blood transfusions.

Physicians from every discipline practice transfusion-free medicine and surgery at Legacy. Medical professionals from leading institutions across the country and throughout the world consult with us about bloodless surgical techniques. Organizations often consult our program to address catastrophic situations when little or no blood is available.

Safe and effective alternative

At Legacy, bloodless surgery is a hospital-wide effort. A team of physicians, nurses, pharmacists, dietitians and support staff work together to address each patient's needs to achieve excellent outcomes. The program, offered at all of Legacy's six medical centers, offers high-quality, safe and effective alternatives to blood transfusions for adults and children.

Questions about bloodless surgery

What are the benefits of bloodless surgery?

There is strong scientific evidence that patients treated without transfusions have fewer complications, recover more quickly and get out of the hospital faster. Specific benefits:

- Lower rates of the most serious complications — heart attack, stroke and infections
- Decreased risk of problems in the immune system and allergic reactions
- Less exposure to blood-borne viruses and infections
- No risk of receiving the wrong blood type

How does bloodless surgery work?

The practice of bloodless surgery involves a range of techniques. Among them:

- Before and after surgery, we help increase the patient's own blood supply with nutrition and medications to reduce the need for additional blood. One of the ways is to boost hemoglobin, an oxygen-carrying protein in red blood cells.
- The surgery is performed with the minimum tissue disruption, possibly using non-invasive or robotic techniques. Tiny incisions result in less blood loss, decreasing the need for blood from a blood supply.
- During surgery, we use technologies to collect, clean and reuse a patient's blood.
- Certain physiologic manipulations are used as appropriate, such as intentionally lowering blood pressure or acute normovolemic hemodilution (ANH), a way of saving some of the patient's own blood by temporarily replacing it with salt solutions.

