



FLUIDS AND MATERIALS USED IN SURGERY

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Surgical procedures involve the use of various fluids and materials to ensure a safe and successful operation. These fluids and materials serve different purposes and play crucial roles in the surgical process. Here are some of the commonly used fluids and materials in surgery.

1. Intravenous Fluids

Various intravenous solutions are used for situations that affect fluid-electrolyte balance during anesthesia procedures and surgical operations (e.g., unexpected blood and/or fluid losses, providing caloric needs due to pre-surgical fasting and correcting acid-base imbalances).

The goals of intravenous fluid therapy are as follows:

- Maintaining open access to the blood vessels.
- Correcting fluid and electrolyte imbalances.
- Administering continuous or intermittent medications.
- Providing nutrition to the patient.
- Keeping blood pressure within the normal range.

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References

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