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HEALTH – BEAUTY- HI-TECH

CE 2292

CERTIFIED ISO 9001:2015 COMPANY

ABSORBABLE SUTURES

NON-ABSORBABLE SUTURES

ANTIBACTERIAL SUTURES

SUTURE NEEDLES

SUPER ELASTIC NEEDLE

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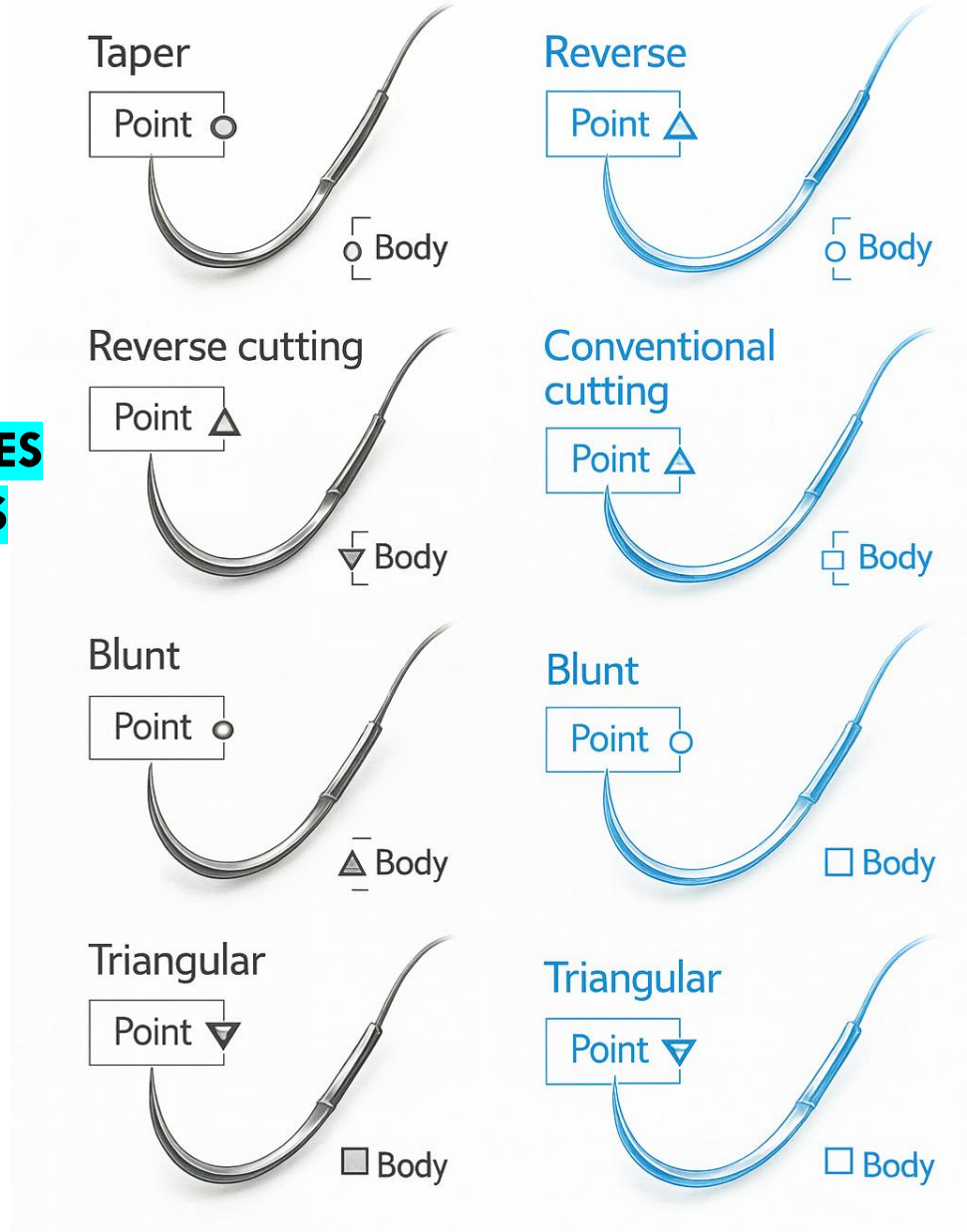

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pack
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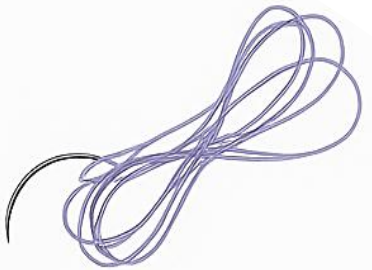
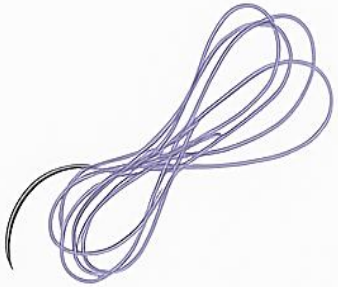
absorbable surgical suture
anteaclarial

CHOMIC

NYLON



PGA



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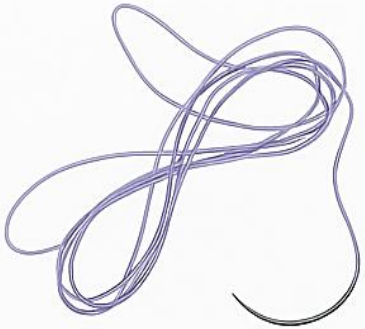

POLYESTER

SILK

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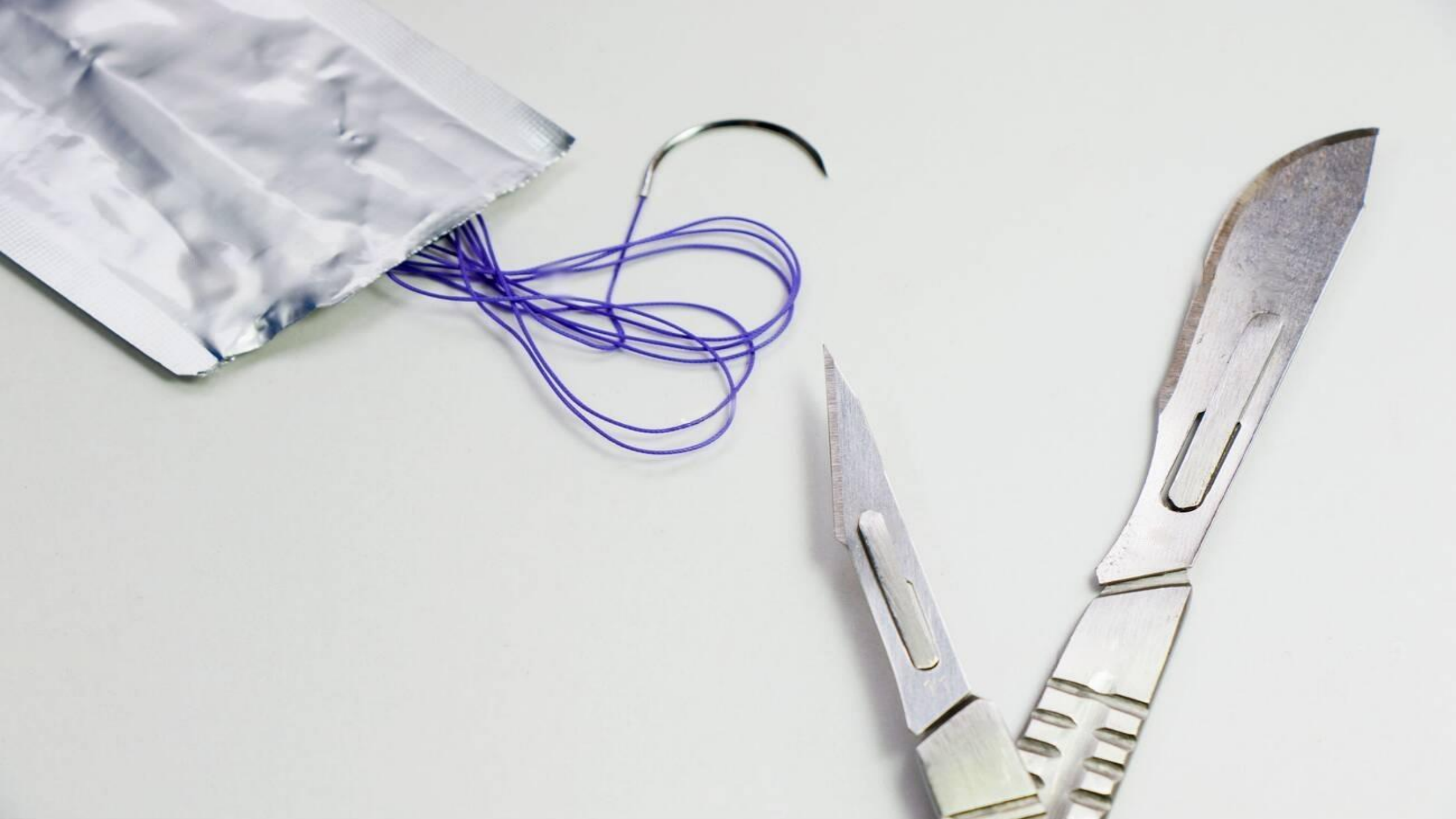

Pharma1humanitas holdings ltd distribution certified & excellent suture needles: standard suture needles and specialty suture needles with a specific body and head shape.

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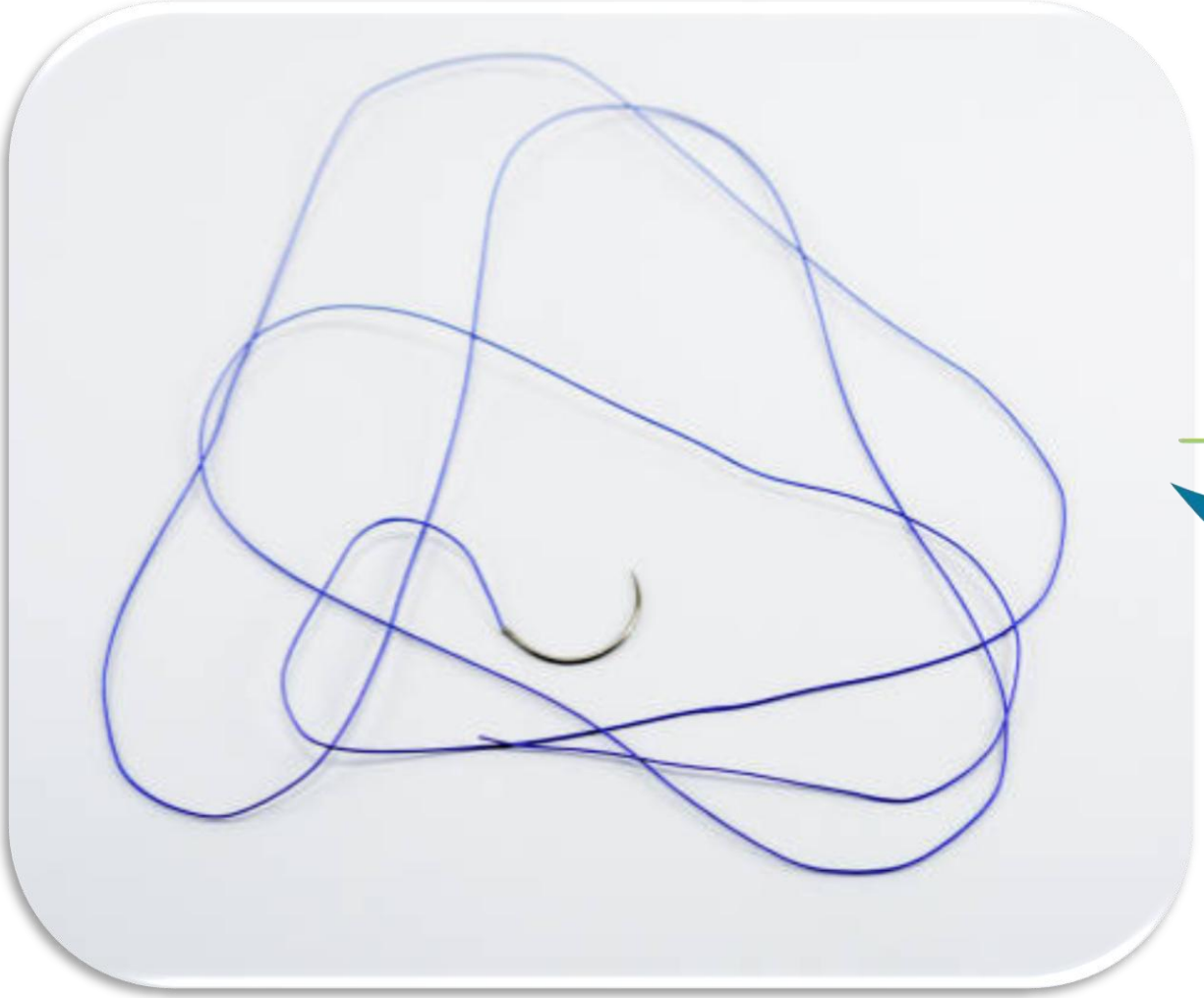

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Pharma1humanitas holdings ltds supply high-quality suture needles:general suture needles and special suture needles are available to supply from international certified factories.

Suture Needles

1. **Design**: Typically straight or curved, these needles are made from high-quality stainless steel to ensure strength and durability.
2. **Tip Types**:
    1. **Cutting Needles**: Have a triangular tip for penetrating tough tissues (e.g., skin).
    2. **Tapered Needles**: Smooth, rounded tips ideal for delicate tissues like muscle or vascular tissues.
3. **Sizes**: Available in various sizes (from 0 to 12, with smaller numbers indicating larger sizes) to accommodate different surgical needs.
4. **Common Uses**: General surgery, dermatology, and soft tissue repair.

Special Suture Needles

1.Design Features:

1. **Unique Body Shapes:** Some needles may have a specific curvature or design to facilitate access in tight spaces or unique anatomical areas.
2. **Specialized Tips:** These might include:
    1. **Blunt Tips:** Used for suturing in areas where there's a risk of damaging surrounding tissues.
    2. **Reverse Cutting Needles:** Designed to reduce tissue trauma while still providing a cutting edge.

2.Examples of Special Needles:

1. **Pediatric Needles:** Smaller and designed for delicate tissues in children.
2. **Cardiovascular Needles:** Tailored for use in cardiac surgeries, often with a unique curvature.
3. **Ophthalmic Needles:** Extremely fine and specialized for eye surgeries.

3.Common Uses: Specialized surgeries, including cardiothoracic, orthopedic, and ophthalmic procedures.

Quality Considerations

•**Material:** Look for needles made from premium stainless steel that undergoes stringent quality control processes.

•**Manufacturing Standards:** Needles should comply with relevant medical device regulations and standards (e.g., ISO, FDA).

•**Packaging:** Sterile packaging is essential to maintain cleanliness and prevent infections.

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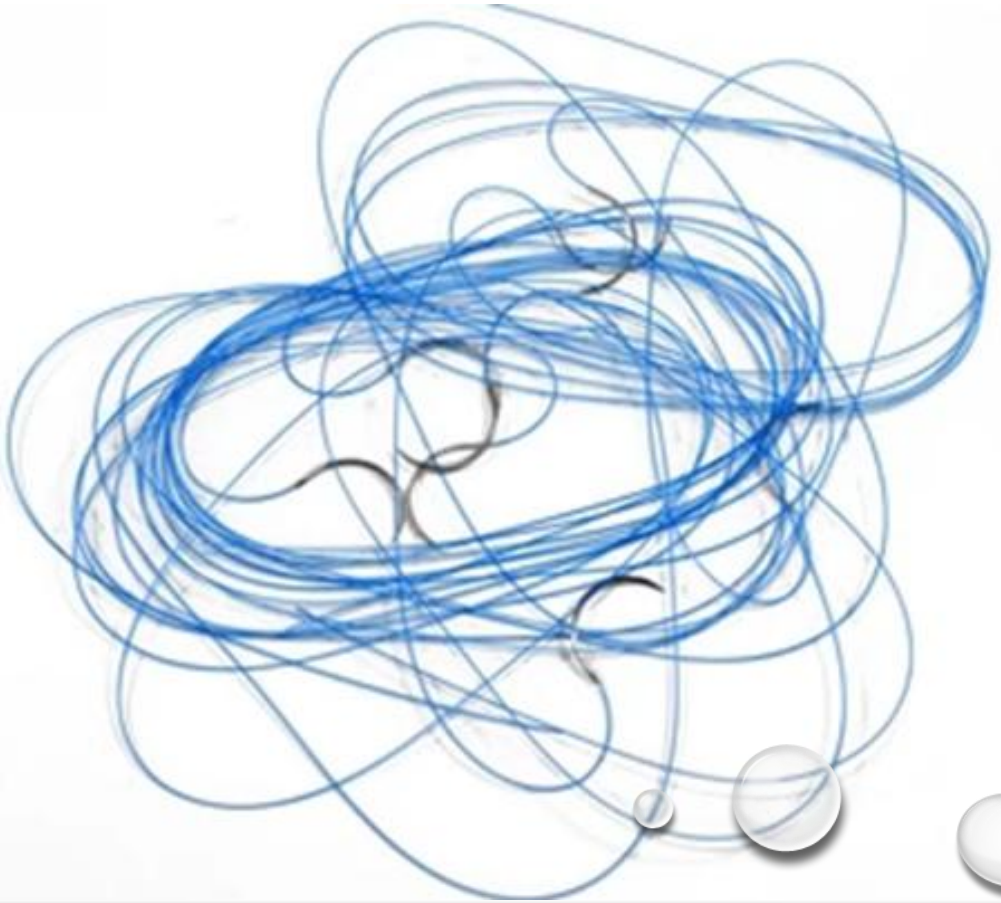

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•**Taper Cutting Needle**: This needle combines a taper-point and cutting edge, making it suitable for dense tissues like fascia or cartilage. The unique design allows for clean cuts through tough tissue while minimizing resistance.

•**Cutting Reverse Needle**: This needle features a reversed cutting edge, which allows for smoother entry and minimizes tissue tearing when used on delicate or thinner tissue.

•**Conventional Precision Needle**: Similar to the cutting needle but specifically designed for precision work in areas requiring minimal tissue disruption. It is ideal for microsurgery or detailed suturing tasks.

•**Blunt Needle**: Often used for suturing in areas where tissues are friable, a blunt needle prevents accidental punctures, reducing the risk of unintended injury to nearby structures.

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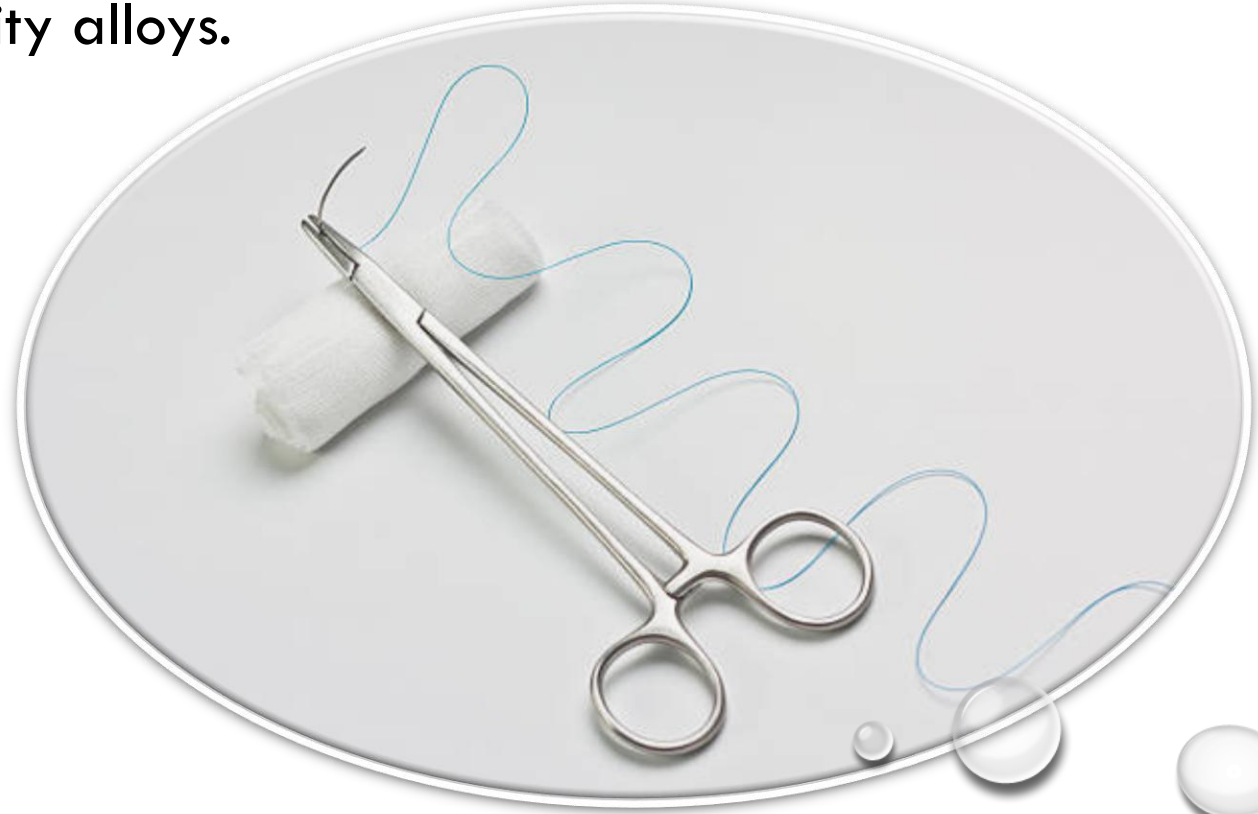
Antimicrobial surgical sutures are plated with a special material that prevents microbes from inhabiting them eventually. They can be rapid, medium, or long resorbent. The number of strands determines whether a surgical suture is classified as a single filament or multifilament. They are made in a range of diameters and heights using metallic series three hundred and four hundred needles or unique high-elasticity alloys.



The body retains absorbable surgical sutures which can be quick, medium, or long resorbtive indefinitely. Depending on the number of filaments, surgical suture structure is classified as either monofilament or multifilament. They can be made from stainless steel series three hundred and four hundred needles or specific high-elasticity alloys, and they are available in a range of diameters and dimension.

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Suture needles are available in a wide range of sizes, tailored to the specific needs of different surgical procedures and tissue types. Needle size typically refers to the length and diameter of the needle, which can vary significantly to suit different surgical requirements. In addition, the needle size is usually specified using a number scale, with smaller numbers representing larger needles and larger numbers representing smaller needles.

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1.Large Sizes (10-18): These are used for tougher tissues such as fascia, muscle, or tendons, where a larger needle is necessary to penetrate and suture the tissue effectively. They are commonly used in abdominal or orthopedic surgeries.

2.Medium Sizes (18-24): These sizes are frequently used for general surgeries, including soft tissues like skin and subcutaneous layers. They provide a balance between strength and precision and are suitable for a variety of surgical procedures.

3.Smaller Sizes (24-32): Smaller needles are typically used for more delicate tissues such as the cornea, blood vessels, or in microsurgery. These needles are designed to cause minimal trauma and ensure precise suturing in smaller or finer structures.

4.Extra Small Sizes (32 and above): These are specialized needles for highly delicate surgeries, such as ophthalmic surgery or fine vascular work. Their small size allows for detailed work with minimal tissue disruption.

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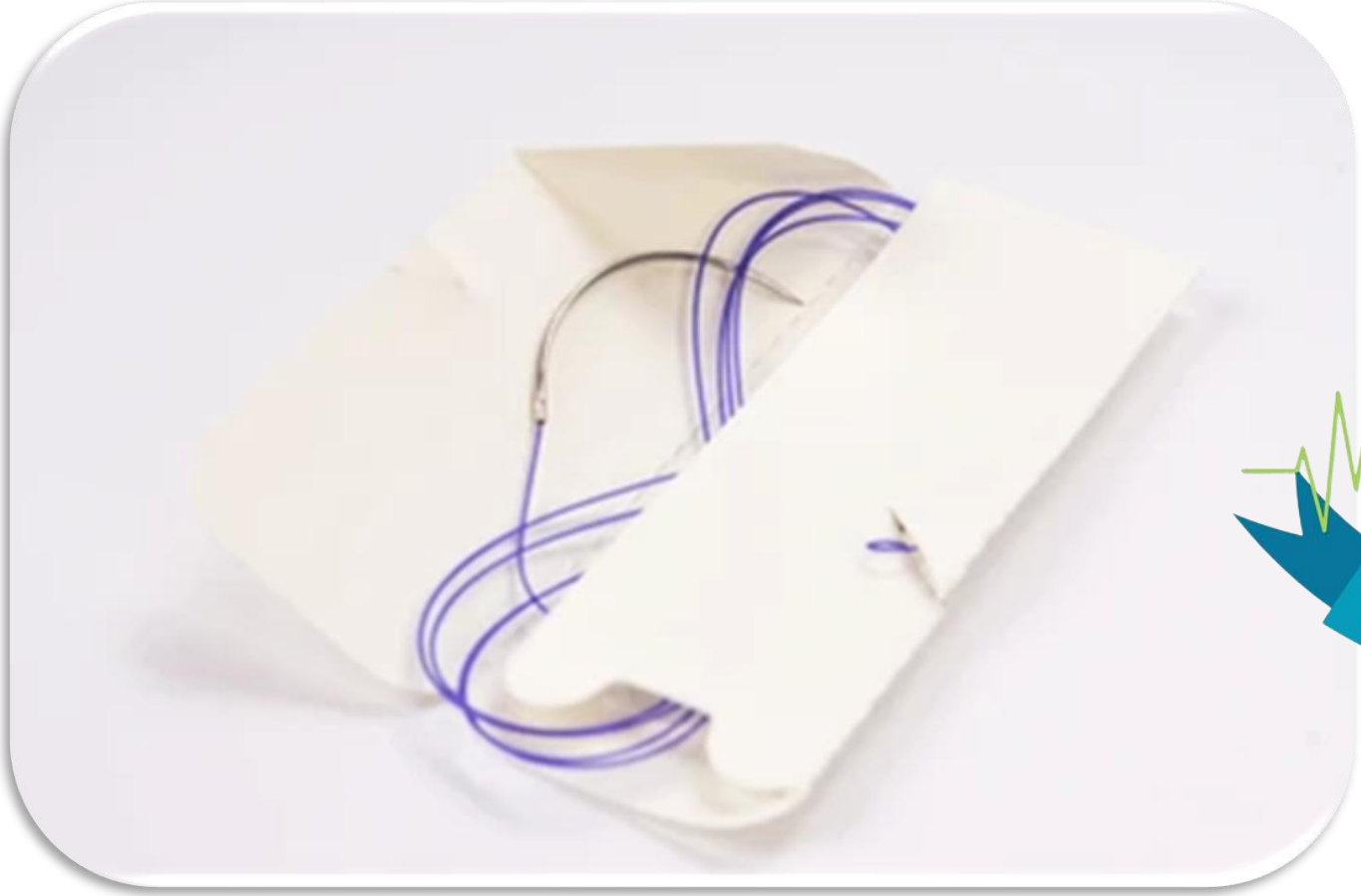

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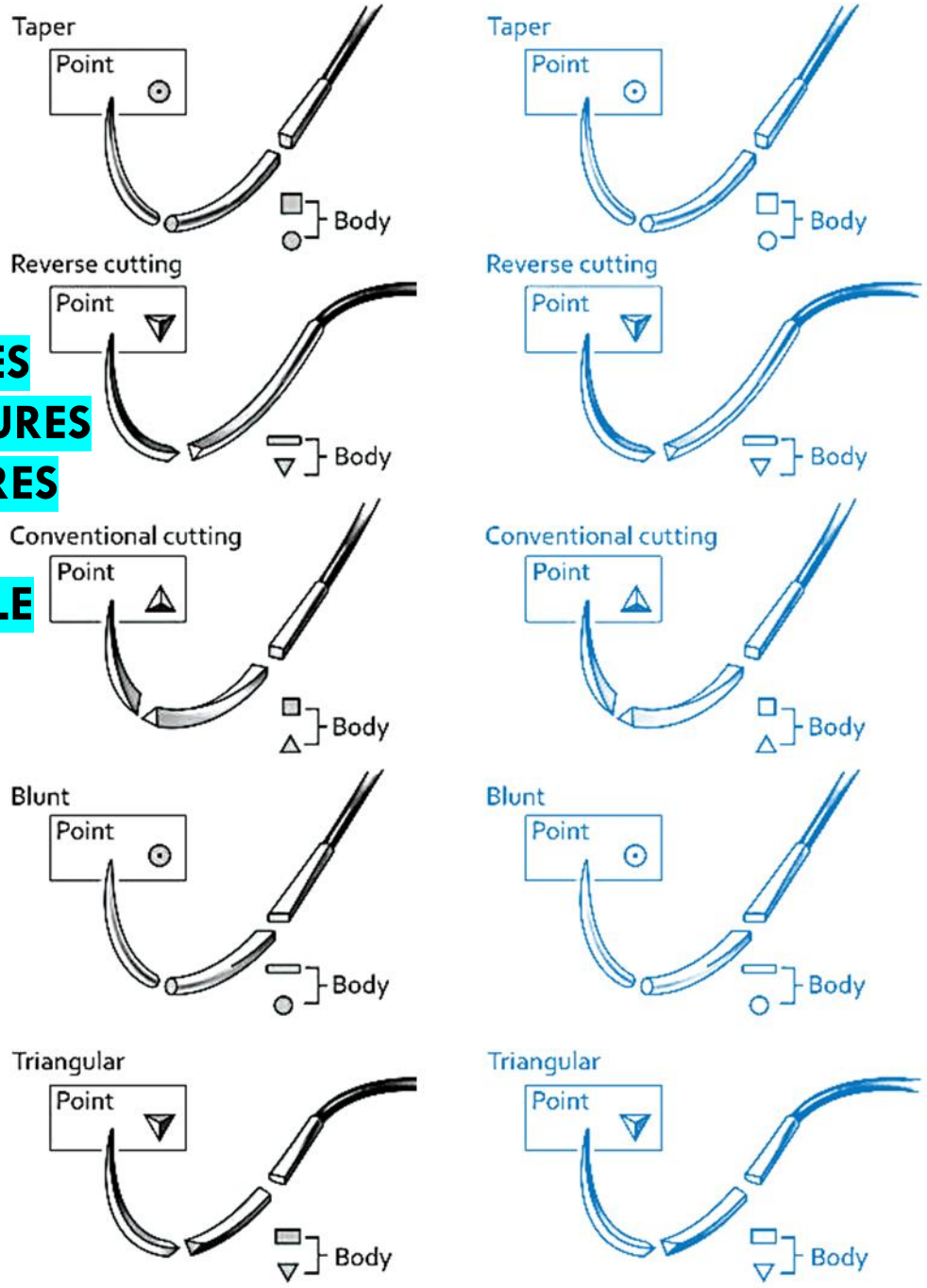

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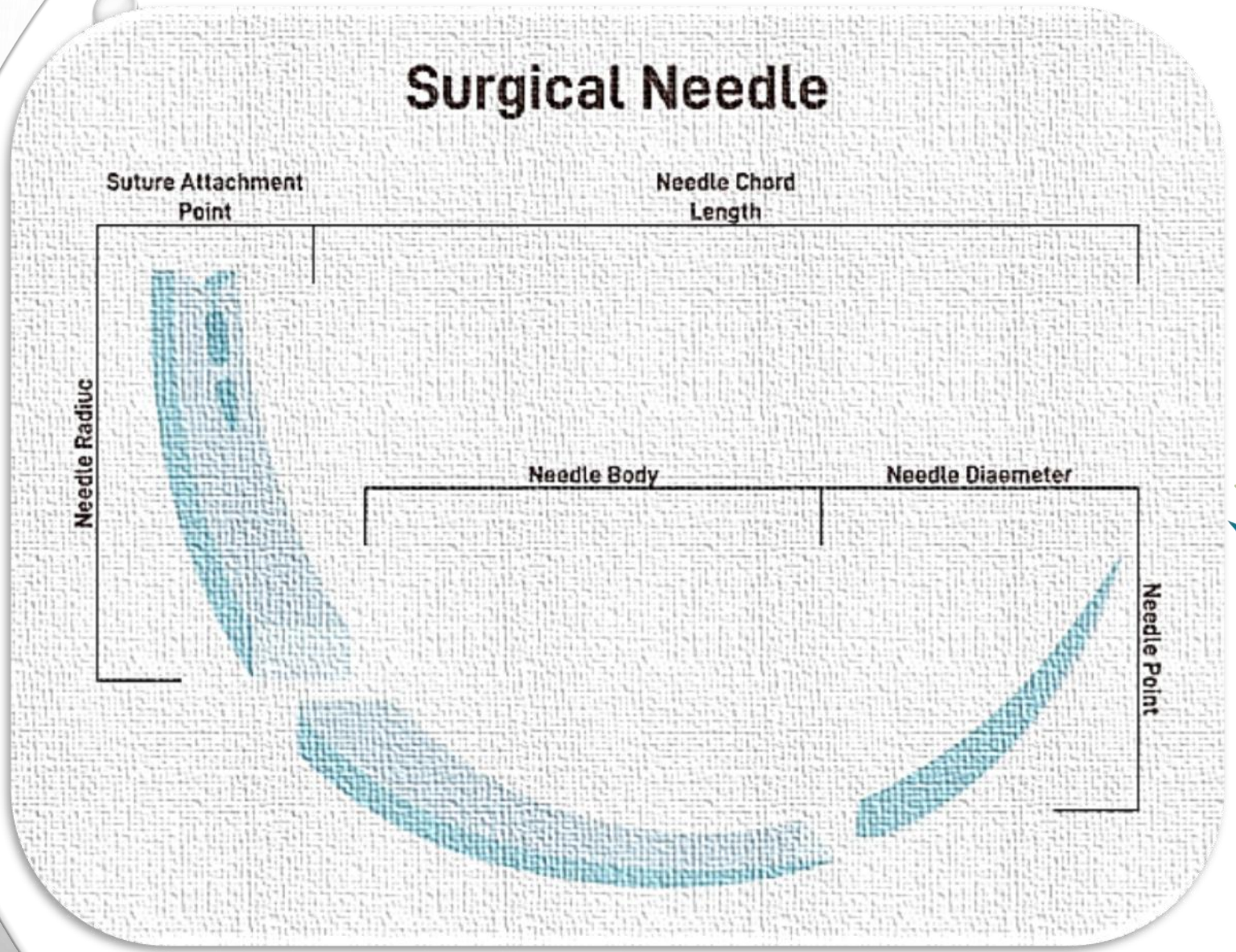
Surgical Needle



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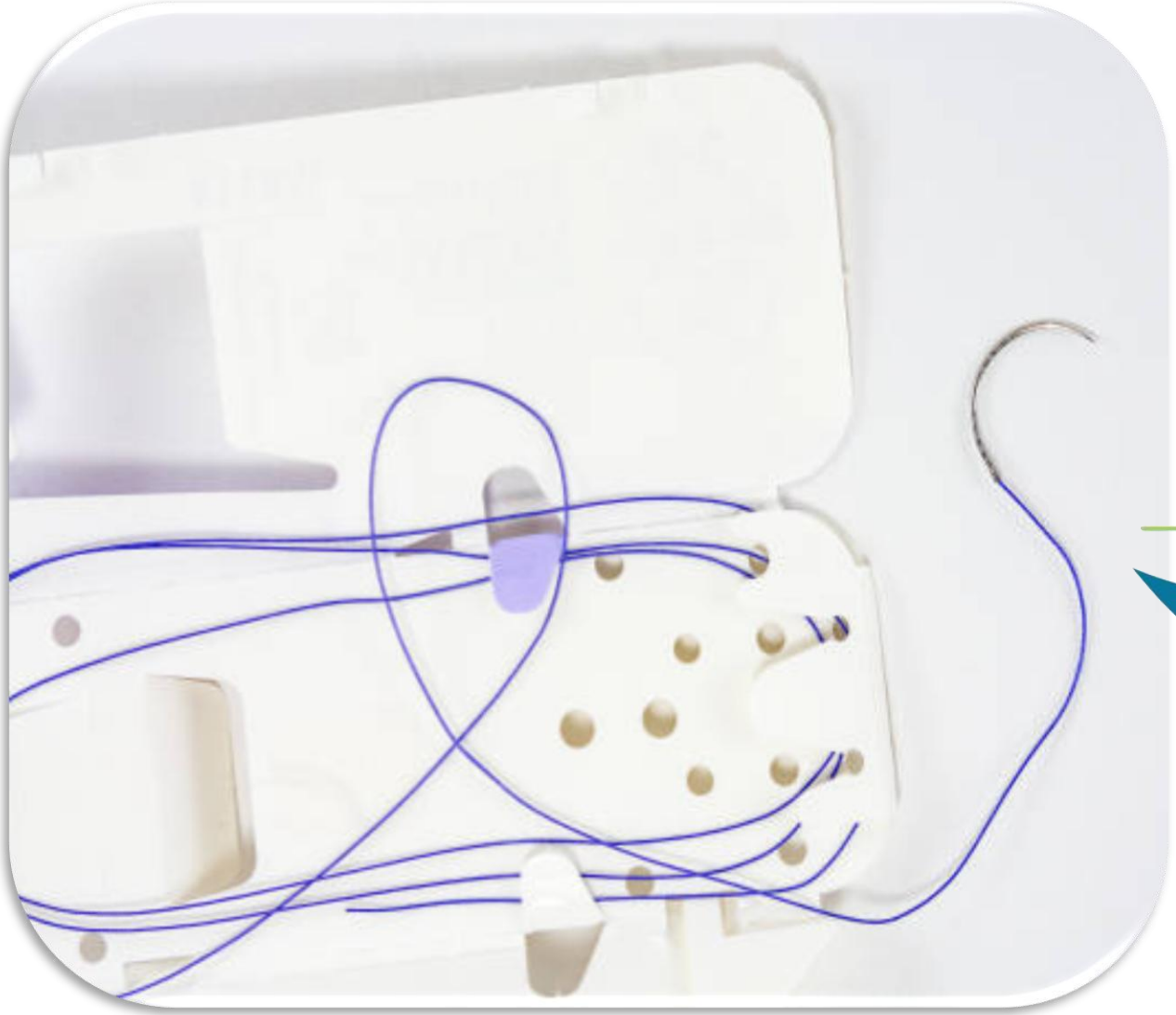

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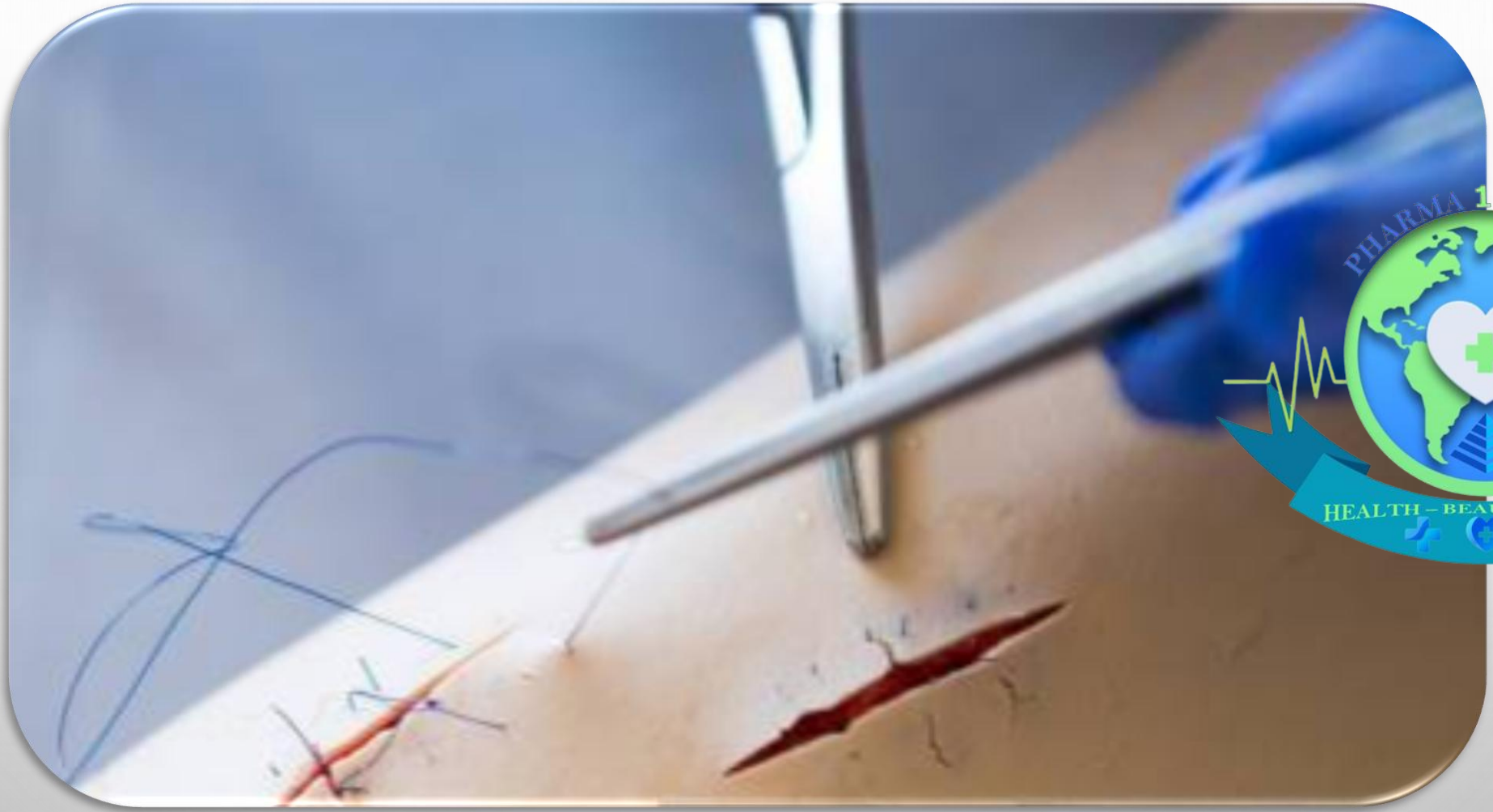

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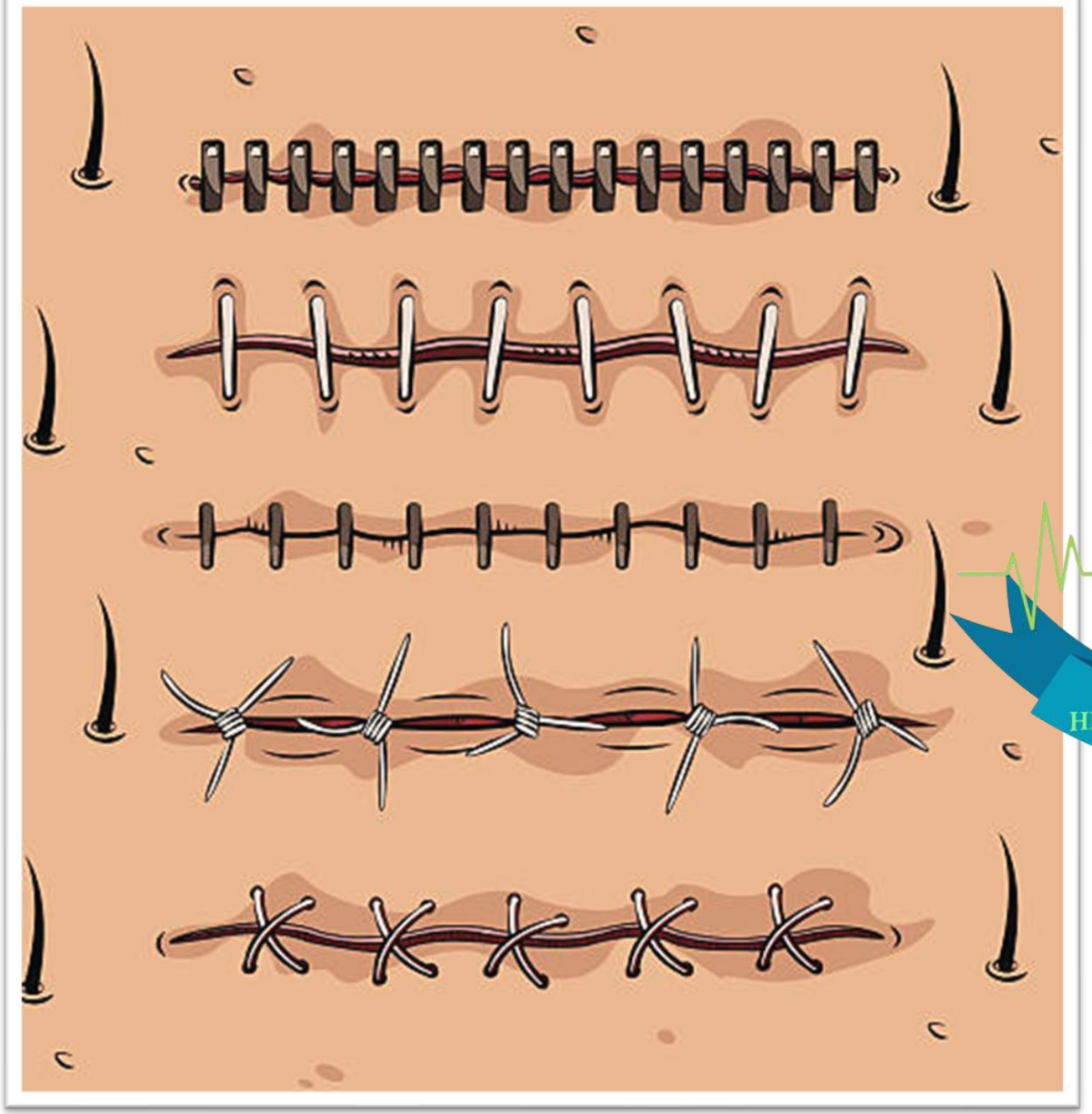

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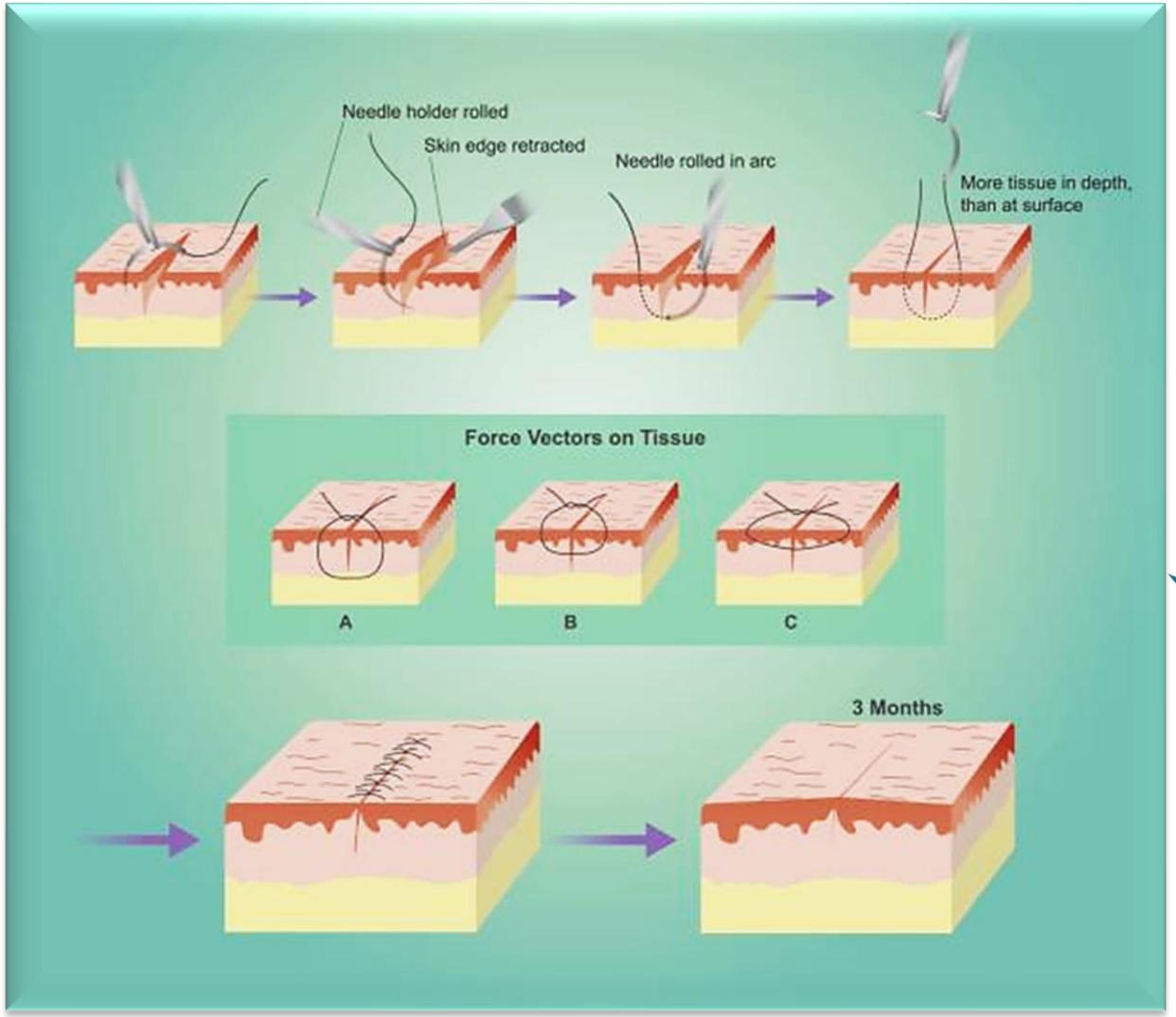

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