

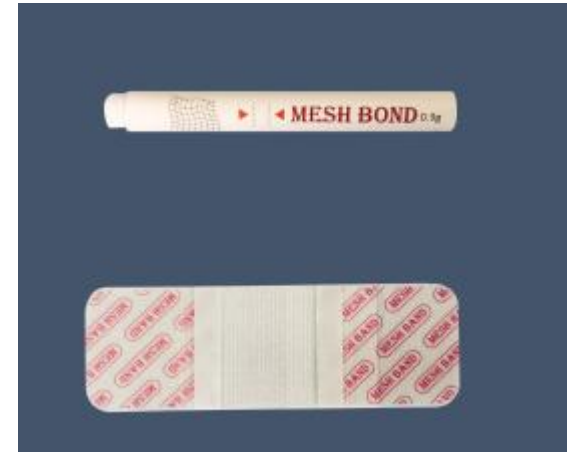


Weihai Medison Medical Equipment

Medical Adhesive



Medical adhesive refers to a medical material that can polymerize in the body, quickly bond between tissues or between tissues and non tissues, and have a certain hemostatic and sealing effect. This type of adhesive or glue is increasingly used as a substitute or auxiliary for sutures or staples to achieve wound closure.





The ideal medical adhesive should meet the following conditions:

- (1) Safe, reliable, non-toxic, and non carcinogenic (carcinogenic, teratogenic, mutagenic);
- (2) Good biocompatibility, without hindering the self healing of human tissues;
- (3) Sterile and able to remain sterile for a certain period of time;
- (4) Fast adhesion can be achieved at room temperature and pressure;
- (5) Good adhesion strength and durability, with a certain degree of elasticity and toughness in the bonding part;
- (6) No irritation to human tissues during use;
- (7) After reaching the desired effect, it can gradually degrade, absorb and metabolize;
- (8) It has good usability and is easy to store.





Wound suturing is the final stage of surgical surgery, and the quality of wound suturing has a significant impact on wound healing. Based on clinical and patient needs for beauty, the development history of surgical suturing technology is as follows:

Traumatic suture--non-invasive suture--waterproof, antibacterial, and cosmetic adhesive

Traumatic suture

Non-invasive suture

waterproof, antibacterial, and cosmetic adhesive



Traditional suture



Skin stapler



Skin stapler



Skin zipper



Skin adhesive



The Development History of Skin Adhesives

502
α-cyanoacrylate



Aggregation is fast and firm, with poor flexibility, and sticky objects also stick to fingers. In the 1960s and 1970s, Kodak Company used it for medical purposes, but it was too irritating to the skin.

504
n-butyl cyanoacrylate



Firm aggregation, moderate flexibility, moderate skin compliance, reduced skin irritation, but prone to detachment.

508
Octyl-2-cyanoacrylate



Firm aggregation, medium to high flexibility, medium to high skin compliance, reduced skin irritation, and less prone to detachment.

504+508
n-butyl cyanoacrylate
Octyl-2-cyanoacrylate



Firm aggregation, medium to high flexibility, medium to high skin compliance, reduced skin irritation, and less prone to detachment.



R&D process of mesh tape



Effect after use

Medical Adhesive

使用科室

Applicable scope: Adhesion of non chronic wounds such as surgical wounds, minimal wounds, abrasions, cuts, etc.

Departments: pediatric surgery, plastic surgery, general surgery, thyroid, obstetrics and gynecology, facial features, ophthalmology, etc.



Advantages of Medison Medical Adhesive Products

- ◆ Waterproof, fully sealed and waterproof after 30 seconds;
- ◆ Polymer protection promotes healing;
- ◆ Reduce bacterial contact and prevent infection;
- ◆ Visible wounds facilitate observation, avoid dressing changes, and reduce the burden on medical staff;
- ◆ The aggregation is firm, flexible, and strong, without the need for stitches to be removed, making it difficult to peel off;





Clinical Benefits of Medison Medical Adhesive Patients

- Patented by Madison, no longer worried about wound cracking, allowing patients to move freely
- Waterproof, breathable, and non binding adhesive, reducing pain, infection, and not afraid of flushing
- Wireless bonding, less scars in beauty, patient satisfaction, and doctor reputation





Thank you