

**A descriptive study of medical textiles, their safe utilisation of medical staff,
and enhancing their therapeutic capacity**

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Abstract:

Traditional textiles used in the medical field are still unable to meet the needs of society, so technological development has allowed the use of functional textiles that provide new levels of interaction with biological tissues. Hence, medical products made of textiles began to spread, and it is a safe way to prevent, treat and heal patients.

The efforts of industrialists, doctors and specialised scientists to develop modern technology that help improve the biocompatibility that allows organ transplantation as a new trend with the help of histology.

It turns out that the most important characteristic of medical textiles is their ability to provide high resistance. As medical textiles are characterised by durability and flexibility, and the most important properties related to medical products are the properties that protect individuals, be safe from the risks of transmission of infection, and be harmless to the environment.

The physical properties of medical tissue, which are strength, torsion, air permeability and moisture, are great importance in the medical field. Medical textiles have played a vital role in the medical and health care sector. These textiles include traditional products such as dressings covering wounds and types of traditional sutures to help speed healing and cure. Then medical textiles developed and included modern technologies that contributed to many medical aspects of treatment, using tissues of manufactured materials and raw materials that are widely used, which is a strong synthetic fibre used to promote cell growth and the work of stents.

key words:

medical textiles- protection- processing fabrics- safe from dangers