THE UNIVERSITY of TEXAS
HEALTH SCIENCE CENTER AT HOUSTON
Office of Technology Management

COMPOSITIONS AND METHODS FOR PROMOTING WOUND HEALING

Market: There is a large market demand for therapeutic compounds addressing advanced wound care. Products with the ability to significantly increase wound healing will likely have a strong market presence. A recent analysis projects the 2006 wound healing therapeutic market will exceed $1.7 billion.

Competitors and Current Problems: Healing of wounds is a problem that continues to gain attention, and solutions which decrease the time needed to heal are desperately needed. From surgery patients, to those who suffer from diabetes, to those who are vitamin deficient, to those who are immunosuppressed, the number of patients for whom more rapid wound healing is critical continues to grow. For these patients, and their caregivers, the need to more rapidly heal wounds is not only a matter of reducing recovery time, but also of reducing the chances for infection and other unwanted results of lingering wounds.

The Technology: Researchers at the University of Texas Health Science Center at Houston (UTHSC-H) have developed methods and compositions which promote wound healing during immunosuppressive therapy. A mixture of nucleotides, nucleosides, and nucleobases can be administered topically, orally, or by direct implantation in the patient. Examples of patients undergoing immunosuppressive therapy include patients that have received transplants and are undergoing a regime of therapy to reduce or eliminate transplant rejection. The surgical wound may be treated before, during or after the surgery. In addition, the invention can be used to promote wound healing in patients with autoimmune and/or autoinflammatory diseases or undergoing chemotherapy.

NON-CONFIDENTIAL TECHNOLOGY DESCRIPTION

The preceding is intended to be a non-confidential summary of a novel technology created at the University of Texas Health Science center at Houston (UTHSCH), for which the University has obtained patent protection.

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