



THE UNIVERSITY of TEXAS

HEALTH SCIENCE CENTER AT HOUSTON

Office of Technology Management

RIBONUCLEOTIDE PREPARATIONS TO PROMOTE WOUND HEALING

Introduction: The present invention relates to the area of wound healing, particularly, preparations that promote healing in a variety of wounds.

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: This invention outlines methods and preparations which promote wound healing in a variety of situations by a variety of means. This technology can be used to treat wounds from surgery (either before surgery or after surgery), or any other wound type of concern. The inventor's research demonstrates that ribonucleotide preparations promote wound healing and achieve this result whether they are taken orally, injected, or placed directly on the wound. Different circumstances may require a different method of applying the ribonucleotides. For instance, a patient may decrease his recovery time by taking a preparation of ribonucleotides orally in the time leading up to surgery. A patient with a surgical wound may have a preparation of ribonucleotides placed directly on his wound to speed up the healing process. Finally, a patient with an internal wound may have ribonucleotide preparations administered directly to the wound via parenteral injection or intraperitoneal injection. The patents offer broad protection for treating wounds in patients suffering from a variety of ailments with ribonucleotide preparations. Furthermore, recent work by the inventors has perfected preparations of nucleotides for topical treatment of wounds in immunosuppressed patients. This adds a new dimension to this technologies ability to help patients recover more rapidly from wounds.

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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License Available: world-wide; exclusive or non-exclusive

To obtain further information about this technology, please contact:
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