

What do these individuals have in common?

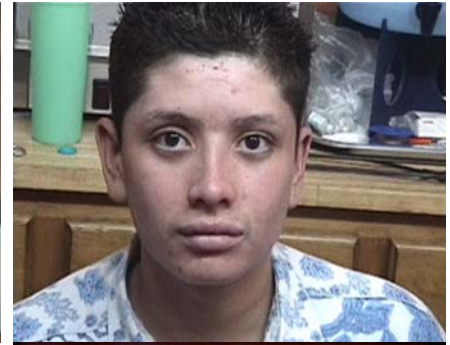


They were seriously burned. Heparin relieved the pain, enhanced the healing and produced smooth comfortable skin at greatly reduced cost.

Day 2

Healing

Healed in 8 to 30 days



What is heparin?

Heparin is a common body biochemical that looks like water. Heparin is obtained from animals. Pharmaceutical companies in many countries produce heparin solution in large quantities, so heparin is widely available and inexpensive.

How do doctors commonly use heparin?

Worldwide, doctors use heparin to prevent the clotting of blood. Dr. Saliba and coworkers in the United States researched heparin use and found heparin had many additional effects that were beneficial in treating burns.

What are these heparin effects? What are the medical names?

How do they heal burns?

Heparin's Anticoagulating Effect maintains the circulation of blood and prevents blood clots which would result in the destruction of the tissue (infarction) beyond the clots.

Heparin's Antiinflammatory Effect stops the progressive cascading destruction of cells and tissues (inflammation) so the burns do not become larger or deeper in size. The signs of inflammation are pain, redness, swelling, and heat. Therefore, importantly, heparin relieves the pain, blanches the redness, reduces the swelling, and removes the heat. The pain relief is virtually immediate and consistent with continued use, so burned patients whose treatment includes heparin have their pain removed, and no pain medicine (such as morphine) is needed. Unlike morphine use, the patient has a sense of well-being and a clear head (sensorium)

Heparin's Neoangiogenic Effect stimulates the production of new small blood vessels in blood-deficient burned tissue which restores blood flow to those blood deficient (ischemic) areas. Blood flow is essential for healing. Prior to use of heparin, and without this restoration of blood, the Rule in Medicine was that deep severely burned tissue that had lost its blood supply (3rd degree burns) could only be healed by the removing the burned tissue and covering the area with a graft. With heparin use, that restored blood flow to the blood deficient areas, this rule has been shown to be no longer true.

Heparin's Tissue Restoring and Regulating Effects on collagen, smooth muscle cells, and cells that became new skin cells (dermal fibroblasts) results in complete final healing.

Heparin's Epithelializing Effects stimulate production of new skin cells (dermal cells) and the alignment of their structural elements (fibrils) into a regular parallel pattern throughout the skin cell which results in smooth new skin. In scars the fibrils are in a chaotic pattern or arranged in clumps that are scattered underneath the cell membrane.

Countries where heparin is used in burned patients are India, Russia, Bulgaria, Brazil, El Salvador, Mexico, Haiti, Oman, China, South Korea, Malaysia and the USA. Use in the United States is limited because the orientation of burn treatment in the USA is surgical.



Don't let this face happen again!

“ When I was a child I was seriously burned and I received the best known treatment without regard to expense at a Shriners Hospital for Burned Children. I had terrible pain for many months and I received much morphine. I am thankful that they saved my life! My results with mostly surgical treatment are the best I could have obtained at that time.

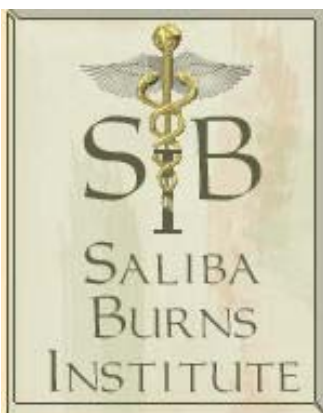
In recent years I have seen the results of similarly seriously burned patients who had Heparin added to their treatment. They had their pain relieved with Heparin without morphine. Their burns healed in a much shorter time with little or no scars. Please don't let this face and body happen again. If you are burned, please urge your doctor to add Heparin to your care.”

How you may obtain this treatment:

- View the www.salibaburnsinstitute.org Internet Website.
- Download the Protocol (free).
- Tell your relatives and friends about it.
- Tell your family doctor and burn center doctors you would like them to become familiar with this Heparin care and treatment protocol before you or a loved one are burned, so that the use of Heparin could be considered in the burn therapy.
- Give your doctors the Heparin In Burns Protocol; Refer them to the Website, and Suggest they study and evaluate this treatment before you are burned and before you need it.

The Goal of the Saliba Burns Institute:

To silence the screams of burn pain and eliminate the lifelong humiliating suffering of scars, contractures and amputations of burn victims worldwide at affordable costs.



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How you may help:

- Contact us for information.
- Sponsor a presentation inside or outside the United States.
- Support the small cost of treating a burn victim or the many victims of a thermal disaster.
- Volunteer to help and donate if you can.