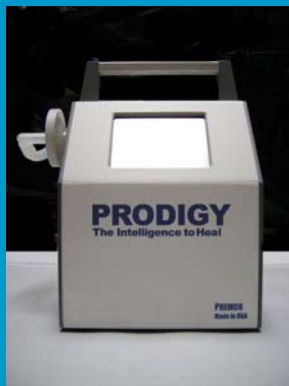


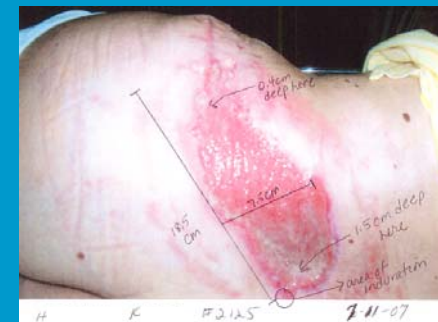
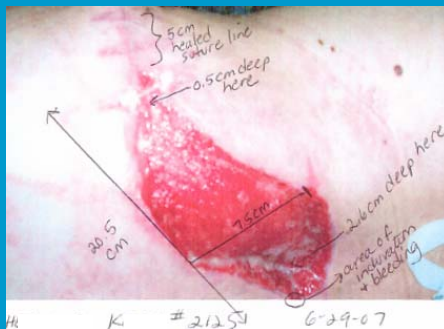
Use of Negative Pressure Wound Therapy in Treating Significant Acute Soft Tissue Loss from Trauma

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A 23 year old female was struck by a car while crossing the street after the car ran the red light. She was caught under the undercarriage and dragged 300 ft. She suffered fractures of the Pelvis, left tibia and left fibula as well as a severe degloving injury of the left buttock. She was immediately taken to the area trauma center where the fractures were set and the wound aggressively debrided. The patient subsequently underwent placement of Negative Pressure Wound Therapy via the Chariker-Jeter technique using the PREMCO Medical System's Prodigy Negative Pressure Therapy Pump. Pressures of 80mmHg continuously were used to treat the wound. Over the next several weeks, a healthy bed of granulation tissue developed allowing for skin grafting with complete take.



In 1997, the first Negative Pressure Therapy Unit was introduced commercially in the United States. In contrast, the Russian medical community had been using the same therapy in a different incarnation for 50+ years prior. In 2004, an American version of this Russian Technology was introduced into the US starting with several case reports and review articles contrasting technologies. This newer version was based on lower pressures and non-foam wound contact media. Since then, other similar incarnations of this alternative negative pressure technology have entered the US market. PREMCO Medical Systems Prodigy Negative Pressure Pump offers distinct advantages over other currently available systems as well as the ability to work with most universally available Negative Pressure Wound dressings.



Miller, MS and Lowery C.; Negative Pressure Wound Therapy – A Rose by Any Other Name. Ostomy Wound Management March 2005, Vol. 51, Issue 3 pp 44 – 49

Miller, MS; Commentary: New Micro vascular Blood Flow Research Challenges Practice Protocols in Negative Pressure Wound Therapy. WOUNDS Oct. 2005 Vol 17, No. 10 pp. 290-294