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Modified VAC-1' therapy in Diabetic with extensive Necrotising Fasciitis salvaged Limb & Life. [Most economical & most effective].

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Purpose: DFI presentation is very unique & challenging as Diabetics are vulnerable. Necrotizing fasciitis is a life and limb threatening soft tissue infection. It is one of the most aggressive forms of soft tissue infection. As the incidence of diabetes mellitus is increasing world wide, this rare infection is now on the rise in developing countries. Necrotizing fasciitis has a very high mortality rate. The mortality rates of this disease have remained alarmingly high with reported mortality rates ranging from 6 to 76% .We had a young Diabetic with extensive Necrotising Fasciitis extending upto groin.He was subjected for adquate surgical debridement & Modified VAC-1 therapy. Method: Materials used in 'Modified VAC-1'; 1.Plastic Bag to cover limb up to groin. 2. Ryel's tube with multiple holes. 3. Opsite dressing. 4.Suction Apparatus.The Operated limb was enclosed in Plastic bag till healthy skin.Ryel's tube was inserted into the bag upto Foot .The Plastic bag was sealed air tight to the limb at groin level with Opsite.The open end of Ryel's tube was connected to Suction Apparatus.Vaccum at 100-150mm sub atmospheric pressure was maintained. Result:The wound started granulating with total separation of slough. There was total improvement of patient Vital signs. Plastic bag was changed every 4th or 5th day depending upon soakage. Recovery of Patient was very fast & we could salvage limb & Life. Conclusion: 'Modified VAC-1' therapy is planned to all my DFI patients. It is very comfortable to the patient because there is no daily dressing.It is very economical & effective. Fecal/urine contamination is seen routinely with traditional dressings but with Modified VAC-1 it was totally avoided . The major advantage of this therapy was being transparent dressing, daily wound inspection is possible. Wound remains moist. Off-loading the entire limb helps to keep posterior thigh intact if it is a circumferential tissue loss. The total cost of above therapy was less than \$10/-.