Debrisoft: Debrisoft was used in 170 patients with wounds of different aetiologies (81 leg ulcer, 32 pressure ulcer, 28 diabetic foot ulcer, 4 surgical invasive, 21 others) by 25 users. The “other” category included post-operative wound healing (10), devascularing injury with fibrin layer (1), tumour tissue (3), radiation induced damage (1), extravasation injury (1), haematoxia (1), infected skin tear (2), lip lymph oedema (1) and pyoderma gangrenosum (1). 31 of the wounds were cavity wounds. In comparison to standard methods (surgical, mechanical, autolytic, larve, enzymatic) the product was found to be easier, more painless and effective [Graph 1].

The required time of debridement was better than good (mean value: 1.95). The mean procedure time (0.5 - 10 min) using Debrisoft Lolly was always less than with the standard method used by the user. The highest saving of time was reported for surgical invasive wounds (difference of 7 min). Superficial wounds were nearly the same (2 min difference) [Graph 2]. The size of the tip was perceived as good or better by 66% and the length of the handle as good or better by 91% of the users. 56% of the users commented on some limitations related to the size of the device - especially for very small wounds. The usability was considered to be very good or good by 87% of the users (mean 1.74). The absorption capacity of the device was rated as very good to good by 74% of the users. The wound debridement with Debrisoft Lolly was perceived as more comfortable for the patient than with other methods and good or better by more than 95% of the users. Debrisoft Lolly was assessed as very compatible for the wound and the wound surrounding skin. 21 users rated the pain for their patients as painless or typical mild [Graph 4]. No adverse reaction to the user and the device were reported by the users. 96% of the users said that they would use the device again because it was easy to handle, saved time and provided very good debridement results.

Debrisoft Lolly can be used in a variety of wound aetiologies especially at difficult body localisations (Hairine 3) or skin conditions with no need for debridement. It showed good results in wound cavities and also the surgically-invasive indication could be successfully proven. In comparison to the usual common used methods - assessed retrospectively - Debrisoft Lolly was more painless, effective and easier which can be explained by proven efficiency of the monofilament fibres and the special form of the device.

The duration of debridement was lower for all indications, the highest saving of time was reported for surgical invasive approach (difference of 7 min). Superficial wounds were nearly the same (2 min difference) which indicates the usability especially for difficult to reach wounds. In contrast to the current standard therapy Debrisoft Lolly seems a very effective, safe, not as painful, ergonomical alternative for debridement.

Debrisoft Lolly met the needs of the users for short term effective debridement, almost painless and an improvement of Quality of Life, very skin and wound compatible, safe, very good ergonomic properties for debridement. Users were satisfied with the debridement results, reported similar or less painful for the patients when compared to other methods and the device particularly appropriate for wounds with cavities. A few users proposed a second device with smaller dimensions.

Overall, the Debrisoft Lolly is an additional option in the debridement of a wide range of chronic wounds of different etiologies, including invasive-surgical wounds. The concept of the Debrisoft Lolly is ergonomic, useful, and highly evaluated by the users.