



UWTO

Ukrainian Wound Treatment Organisation



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EWMA
Cooperating Organisation

The Ukrainian Wound Treatment Organisation (UWTO)

The Ukrainian Wound Treatment organisation was founded in 2009. Nowadays UWTO has over 110 active members. Among them are medical professionals and doctors from a range of specialties such as surgeons, burn specialists, podiatrists, vascular surgeons, plastic surgeons, hospital nurses and caseworkers.

Currently, the population of Ukraine is 45.660 mio. people. The administrative division is 24 regions, plus the Autonomous Republic of Crimea. Ukraine has four towns – Kiev, Kharkov, Odessa, and Dnepropetrovsk; the population of each of these is more than one mio. people. The UWTO has local subdivisions in 16 regions of the 24.

Conferences

The UWTO has its own annual Conference. To date it has held 12 conferences which makes it apparent that the conferences were held before the creation of UWTO. This in turn means that the problem of wound care has been around and recognised for a long time; in the present and in the past. The next Annual Conference of UWTO will be held in the P.L. Schupik National Academy of Postgraduate Education in Kiev, November, 29-30, 2012.

The conferences are very popular as illustrated by the fact that they are attended by a large number of specialists involved in wound treatment and its challenges – burn specialists, surgeons, vascular surgeons, micro vascular surgeons, plastic surgeons and other healthcare professionals.

During the conferences there are discussions covering the problems of rendering assistance to patients with wounds of different etiologies, discussions investigating the wound development process under the different conditions of surgical treatment, and the influence of wounds on the development of systemic inflammatory response. In addition, other discussion topics include:

- Factor analysis of the systemic inflammatory response development and multiple organ failure;
- Mechanisms of the development of inflammatory complications and staging of sepsis development;
- Decision making and recommendations for the practitioners on the treatment of wounds of varying etiologies wounds;
- Treatment of different etiology wounds during a war period.

Research programs and projects

The research programs on wounds treatment foresee different schools taking part in inflammatory reactions development pathogenesis studies and researching conditions of blood circulation for reparative regeneration with usage of different medical preparations: antiseptics, biologic and syn-

thetic coverings, different methods of surgical treatment with usage of complex grafts with axial or perforant types of blood circulation. In addition educational programs on the treatment of wounds of different etiologies were developed. These programs are taught within departments of burns and plastic surgery in higher education institutions of postgraduate education.

Presentations of the research results on the conditions of wounds healing or their surgical renewal studies are made within the framework of the annual UWTO Conference.

Annual conferences of regional surgeons are also held, to which leading specialists are invited as guest speakers.

Wound management system in Ukraine

Currently there exists a staged system of wounds treatment to ensure the correct rendering of qualified medical aid to suit the level of wound. This is done in stages through regional hospitals and healthcare, where anti-shock activities and first surgical treatments are carried out. The wounds which are not large are treated locally, but those patients with complicated wounds who need special methods of surgical treatment are moved for specialist treatment into clinics. In these institutions patients receive highly specific treatment including usage of modern complex methods of surgical reconstruction of soft tissues defects.

Nowadays wounds treatment in Ukraine utilises modern antiseptics, medical preparations of osmotic action with antibacterial effect, biological coatings developed in Ukraine and foreign synthetic coatings for dermal wounds healing.

Opportunities and challenges

In Ukraine there is a lack of modern coatings for the development of reparative regeneration of deep dermal and subfascial injuries. We also lack cellular technologies for the activation of reparative regeneration of deep wounds; thus definition and usage of cellular factors of reparative regeneration are being actively developed. The investigations on cultivating allogeneic keratinocytes for the renewal of cutaneous covering integrity are currently being carried out. We are developing and implementing methods of deep wounds treatment utilising tissue compound complexes during dermotension, grafts with axial type of blood circulation and perforant vessels for different injured body regions.

We have also developed methods of conservative and surgical rehabilitation of patients with cicatricial deformation and contractures, and conducted research studies observing the influence of autologous adipocytes (stem cells) and platelet-derived growth factors on the processes of reversed development of cicatricial tissue. ■