Aim: The treatment of burns in children is still the great challenge for everybody who wants achieve the best outcomes and minimise the general cost of patient’s hospitalisation. The most common burns in young children are the burns of the mixed depth: I/Ia and IIb degree – mosaic burns. An objective assessment of burn wound depth is among the most important clinical problems in early treatment of such injuries. Children’s with mosaic burns, who’s treatment needs the individualisation of procedure’s could be managed surgically or conservatively. The basic advantage of conservative treatment is protection of the potentially self-regenerating, spontaneously healing regions of the burn wound. This process is particularly important for minimizing the risk of hypertrophic scar formation with subsequent, age related, post-burn contractures. Modern management of burn wound should include application of active dressing. A variety of dressings are used for the treatment of pediatric burns.

Methods: The authors present results of studies on efficiency of a silver-impregnated hydrofibre dressing*, in the local treatment of burns. The authors compare the early and late result in two group consisted of 100 patients in the age between 1 and 2 y.o. with the depth I/Ia/Ib degree, treated with a silver hydrofibre dressing* and with traditional dressing. The parameters of wound healing, pain level during changing dressing procedures, the time of hospitalisation and risk of local infection, as well as patient’s parents reports, were analyzed.

Results: The silver hydrofibre dressing* appeared to be easy to apply, a safe, effective, and almost painless by re-application. Additionally is very comfortable by daily children’s activity. The silver hydrofibre dressing* provided important economic benefits depend of fewer dressing changes, shorter hospitalisation time, fewer procedural medications.

Conclusions: Self experiences as well as data from literature suggest, that a silver hydrofibre dressing* is very modern type of dressing and its application in the treatment of mosaic burns in children appears to be increasingly wide.

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