

**Universitätsklinik für
Dermatologie und Allergologie
Albert-Einsteinallee 23, D-89081 Ulm**

Ärztliche Direktorin:
Prof. Dr. med. K. Scharffetter-Kochanek

LaserTherapieZentrum
Institut für Lasertechnologien in der Medizin
und Messtechnik an der Universität Ulm
Helmholtzstr. 12
89081 Ulm
Telefon: 0731/1429-441
Telefax: 0731/1429-443

Epi nouvelle⁺ produced by JeNaCell – Experiences from application cases

1. For cooling after a fractional Laser treatment (skin resurfacing) at the face, in some cases in combination with Cicalfate Post Acte (Avène)

After laser treatment of age-related skin changes it takes up to 24 hours till the epidermis above the generated pores is closed again. During that time, the risk of an infection is high. Usually, no wound coverage is used, but it is recommended to apply cooling batches combined with black tea to reduce the pain. In addition, an ointment can be applied. After the laser treatment, the patient is affected by blistering skin and the feeling of skin tension for 48 hours. After 24 hours, minor scabs are developing, which may last up to 5 days. After using of Epi nouvelle⁺ masks alone or together with wound cream, a permanent cooling could be ensured. The sterile wound coverage was found to be an effective protection against infections. The number of scabs was strongly reduced by the wet film of water provided by Epi nouvelle⁺. The scabs dropped off much faster. It is recommended to apply the Epi nouvelle⁺ mask daily for 2-3 days.

2. Application after Photodynamic Therapy (PDT) applied at the head

PDT of bigger areas at the head or upper part of the head typically causes serious pain directly after treatment, which may last for several days. During the therapy, a cold air stream can help to reduce the pain. However, this can't be maintained afterwards. In addition, the treated skin area should be protected from light for about 24 hours. A further cooling and good coverage to reduce the pain is essential to avoid or at least minimize inflammation, redness and swelling of the skin, which is partly accompanied

by the generation of pustules. Epi Nouvelle⁺ is well suited for this application, because the mask is adhering to the skin, provides a cooling effect and reduces the pain. A steroid cream can be additionally applied on the skin, before it is covered with the mask. In many cases the PDT has to be repeated several times. The pain reducing effect of the Epi nouvelle⁺ considerably contributes to a better compliance of the patient.

3. Treatment of perioral dermatitis, in some case in combination with Cold Cream.

Perioral dermatitis or steroid deprivation dermatitis is always a challenge for the physician. In general, it is recommended to avoid the use of any cosmetical or pharmaceutical substance. Consequently, the skin performance is getting worse during the first days. The patients are complaining about an unbearable skin tension. Often, the instructions of the physician are neglected. The Epi nouvelle⁺ mask provides cooling, the skin tension is reduced. In combination with Cold Cream or other drug-free creams the positive effects can be further intensified. The patient feels to be treated by an effective therapy.

4. Treatment of atopic dermatitis in the face with steroids class 1 or class 2.

In the exudative phase of the atopic eczema, a fatty-moisturizing treatment is recommended. Often the skin is treated with a steroid cream and covered with wet clothing. In the face, a treatment including wet compresses is typical, but requires a horizontal position of the patient. As the skin barrier is lost, a super infection is possible. In addition, many patients are sensitized against many substances used in topical creams, limiting the use of standard topical treatments or wound coverages. Epi nouvelle⁺ seems to be the ideal wound coverage for the treatment of atopic dermatitis.

5. As wound coverage for fresh burn wounds class 1 and 2a, partly in combination with Flammazine®

For the treatment of burn wounds class 1 and 2a, similar conditions as for after laser treatment or atopic eczema can be found. Again, a combination of Epi nouvelle⁺ with antiseptics is possible.

K. Kuuzi-Repp