

## Information & Checklist Empty Nose Syndrom

### 1. Personal data

Patient name (*printing letters, please*)

Date of birth

phone number

address

### 2. Symptoms:

Please indicate your leading symptoms and add further information if necessary.

feeling of not getting enough air (though the nose is wide)

pain in the nose

restraint of nasal breathing

incrustation

annoying nasal discharge

nosebleed

dry nose

Miscellaneous:

### 3. Previous therapies:

Please describe briefly relevant former treatments.

### 4. Information for the doctor:

Please give instructions to the doctor, especially about medical particularities or existing intolerances/allergies.

### 5. Offered treatments:

The treatment of ENS has to be adjusted individually. With the following information we would like to inform you about the financial scope of our content of treatment.



**ECNSM®**

European Centre for  
Nose, Sinuses & Mucosa

Personalized Regenerative Molecular Medicine  
Nasal mucosa, edition Jan 2019

#### Treatment strategies for severe nasal mucosa deficits, e.g. ENS

Step	content	frequency	costs
DIAGNOSTIC	Spectral endoscopy for identification of degenerative cold & hot spots = regenerative potential within the nasal mucosa using 7 different spectral analyzes. Supermicro endoscopy for 3D-visualisation of turbinates and mucosa details. Reconstruction of the nasal cavity based on high-resolution con-beam computer tomography. CNN-segmentation of endonasal and intersinuses drainage based on HR-CBCT	1 time	EUR 990
REF B plus	Priming, Activating & Engagement of nasal mucosa and stem cells with local and systemic injections of regenerative factors based on the "REF"-concept and the Blue Print Stem Cell Navigation (BSCN®) Intravenous infusion of systemic boosting factors for enhanced impact (IVI) Philosophy applied with > 1.200 pts since 2016	6 times over 2 years	EUR 1.690 (EUR 9.500 for 6)

Step	content	frequency	costs
ASCT	Homologous Abdominal Stem Cell Transfer (> 100.000 cells provided with Matrased <sup>®</sup> enzymes) for redesign of serious damaged mucosa and subsequently PAE-treatment ("REF", BSCN)	3 times over 2 years	EUR 1.490 (EUR 3.690 for 3)
AHAI	Activated hyaluronic Acid Implant for the simultaneous (and temporary) construction of lost volume and local PAE-regeneration	1 time	EUR 1.390
BCAR	Bone & Cartilage (permanent) Regeneration plus PAE regeneration based on FI-models of virtual nose with Cerasorb <sup>®</sup> and Chronos <sup>®</sup>	1 time	EUR 1.790
PIMP	Implantation of highly cross-linked RP-implants to model the inner nasal flow based on the 4-D planning data. Personalized in Medical Data Lab. Navigated positioning. Plus PAE regeneration	1 time	EUR 2.790

Please sign to confirm that you were informed about the contents and the financial scope of treatment within our ENS package.

Place, Date

Signature

## FAQ

### 1. Does ACQUA Klinik have experience with ENS patients?

Since 2009 we yearly treat more than 1.200 patients with chronic diseases of the nasal mucosa; including approximately 5% of patients who suffer from symptoms which can be called ENS. We do not consider ENS as a syndrome of the empty nose, but as a result of a dysfunctional nasal mucosa, sometimes in combination with anatomical defects. Only in rare cases an „empty“ nose after too radical resection is the underlying cause of ENS. We invest a lot of time in the review of international literature and are basically open-minded to new therapeutic approaches.

### 2. Which therapeutic options does ACQUA Klinik apply to treat ENS?

We dispose of all surgical methods, including fully navigated surgery of the sinus and paranasal sinuses. With help of the S-technology-endoscopy we can visualize functional changes of the mucosa. We are able to restore structural defects with endogenous and exogenous tissue. Since 2013 we have gained experience with the non-manipulative activation of stem cells. Since 2014 we apply JetMucosa for treatment; since 2016 we make use of the REF. Further, we possess experience with the combination of conventional medicine and Traditional Chinese Medicine.

### 3. What is the active principle of the treatment with regenerative factors?

The principle of REF is based on the injection of synthetically produced regenerative factors which can lead to an activation of endogenous stem cells. As a result repairing mechanisms can be initiated, which ideally lead to a normally structured and functioning mucosa. This procedure is an implementation of an admitted medicament. Pending further notice, the application of REF to the nasal mucosa has to be considered as compassionate use until sufficient clinical data is available.

### 4. How are the experiences with the therapeutic concept?

So far we have treated 82 patients (current status 01.11.16) with indication of a chronic dysfunction of their nasal mucosa. After 3 months of treatment with REF better results appear in comparison to the control group concerning the essential parameters of complaint (nasal discharge, self-regularization of the nose, paresthesia of breathing). Until further notice, these results are not significant and do not match the requirements of a scientific investigation.