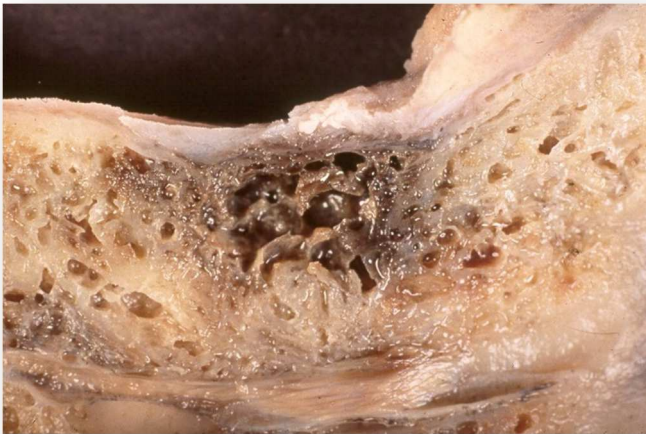


## Cavitations - Fatty bone necrosis - NICO - CIBD (Version 1.0)

### What's this?

Areas in the jaw bone, in which the regular spongy jaw structure is more or less resolved. The bony structures are usually replaced by adipose tissue. The situation is very often the late result after tooth removal due to insufficient bone healing.



Picture by Prof. Bouquot: Cavitation in the lower Jaw

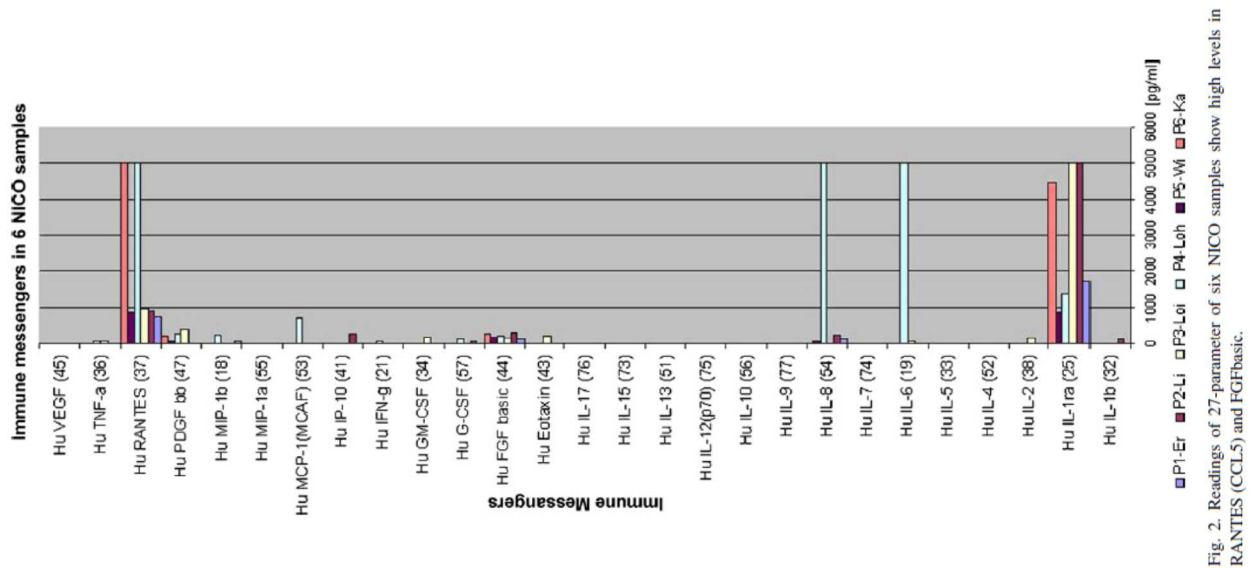


Pictures: Situation during surgery and 6 months later. Fatty bone transformed to regular spongy bone structures

## Why should treatment take place?

In our measurements, we always find increased values on different heavy metals. This is not surprising, because fatty tissue stores many toxins. We always recommend our patients to reduce stresses that are reducible in order to avoid chronic diseases.

In these areas, chemical messengers have been found which can elicit or augment inflammations, as well as messengers which are also found in various tumors, e.g. breast cancer.



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Original article

## Immune messengers in Neuralgia Inducing Cavitational Osteonecrosis (NICO) in jaw bone and systemic interference

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Picture by Dr. Lechner: Laboratory findings of the tissue from a jaw necrosis. Detection of numerous immunological messengers, e.g. RANTES and his scientific paper on this topic.

### What is the treatment?

We open these areas minimally invasive with ultrasonic instruments (piezotechnology). This allows us to open the bone without destroying living bone cells by overheating (as with rotating instruments). We gain access to the pathological jaw region by placing a small window in the outer shell of the bone (corticalis) using thin ultrasonic sections.



Picture: Acces to the pathologically altered bone by a small „window“ in the bone

The pathologically altered bone, which is usually very soft to muddy, is then removed with hand- and non-cutting piezo-instruments. The mechanical cleaning is done until we reach healthy bone structures (optical and tactile control) and in the blood no fat bubbles are visible.



Picutre: Fatty bubbles in the blood

We then rinse the operation area with procaine and selenium. The procaine has anti-inflammatory, blood circulation and further neural therapeutic effects. Selenium is antibacterial and binds toxic heavy metals.

Then the area is disinfected with ozone. Ozone has a very high efficiency without burdening the rest of the organism so that side effects are not to be expected.

Finally, the bone is replenished with healing-promoting portions of the patient's own blood (we take off some blood immediately before the operation): the so-called PRF, containing fibrin, growth factors, stem cells and leukocytes. The whole area is then covered with a matrix of PRF and re-sewn.



Picture: Filling of the cavitation with PRF

### Do I get medication?

We recommend giving a single-shot (single dose) of an antibiotic and an inflammatory inhibitor before taking the blood.

By administering directly into the blood we bypass the gastrointestinal tract and avoid so many side effects.

In addition, we have a special protocol of dietary supplements (vitamins D3, K2, C, magnesium, zinc, chlorella, omega-3 fatty acids, enzymes) that should be taken 4 weeks before and 4 weeks after surgery (Immun Booster Protocol)

Finally, our patients are given a special infusion developed by the well-known environmental physician Dr. Joachim Mutter especially for this application (vitamins, minerals, amino acids), which should further optimize the healing.

During the operation you get an infusion with vitamin C and magnesium.

### Are there any other measures?

From a dental perspective, it is important that not only the necrosis is removed, but all inflammatory foci (for example root canal treated teeth) and all the metals are removed completely and under all necessary protective measures.

After the surgery we have the possibility to carry out systemic ozone therapy and to produce individualized detoxification infusions. These measures are carried out by the highly experienced environmental physician Dr. Joachim Mutter and his team.

In any case, further detoxifying measures should be taken by your treating therapist.