

Spinal cystic lesion treated with medical ozone

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The use of medical Ozone for the therapy of the slipped discs is well known. This refers of a case of spinal cystic lesion treated with medical ozone.

The patient, 56 years old, had suffered for seven months of right lumboischialgia.

At the clinic neurological examination, he was presenting a positive Lasegue - 45 degrees at right -, positive Naffziger and hypoesthesia to the internal margin of the right foot.

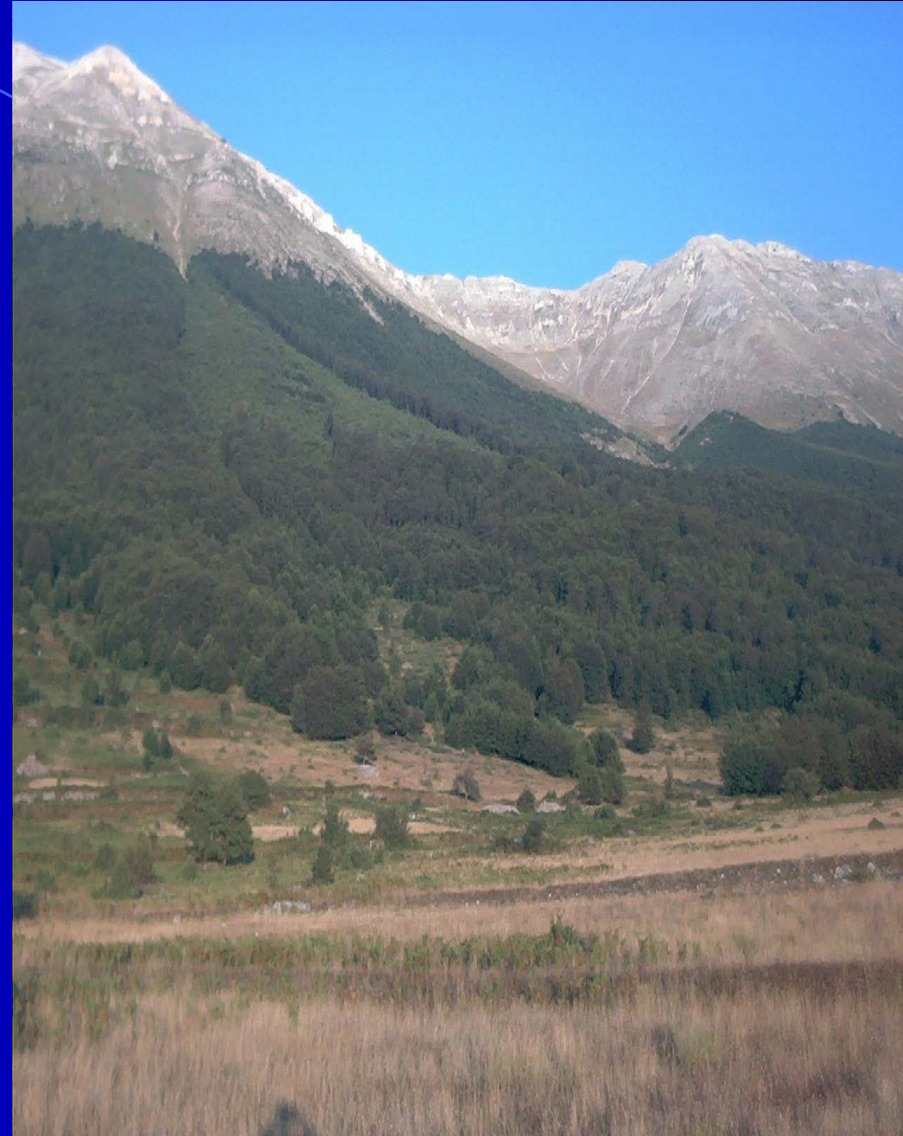


Fig.1

The CT without and with medium contrast showed a cyst, at level of the L4-L5 space - diameter of 1 x 1,5 centimetres - with liquid content and peripheral capsule to positive enhancement after medium contrast (fig.1).



The patient was recommended to accept a surgical intervention, but he decided to submit himself to Ozone therapy to reduce pain, waiting surgery, in fact he had also a disc bulging.

The treatment was executed.

It consisted of 15 infiltrations with “LAMINOFORAMINAL” technique to the L4-L5 right discal space with 20cc of oxygen – ozone mixture at 30 micrograms for ml.



Fig.2

The Lamino - foraminal technique is a deep paravertebral infiltration studied to carry medical Ozone nearer possible to the slipped disc.

In the figure 2 the necessary tools are showed.



Fig.3

The infiltration is made at the level of the low part of the vertebral spine that is above the slipped disc and at 2,2-2,5 centimetres from the middle line (fig.3).

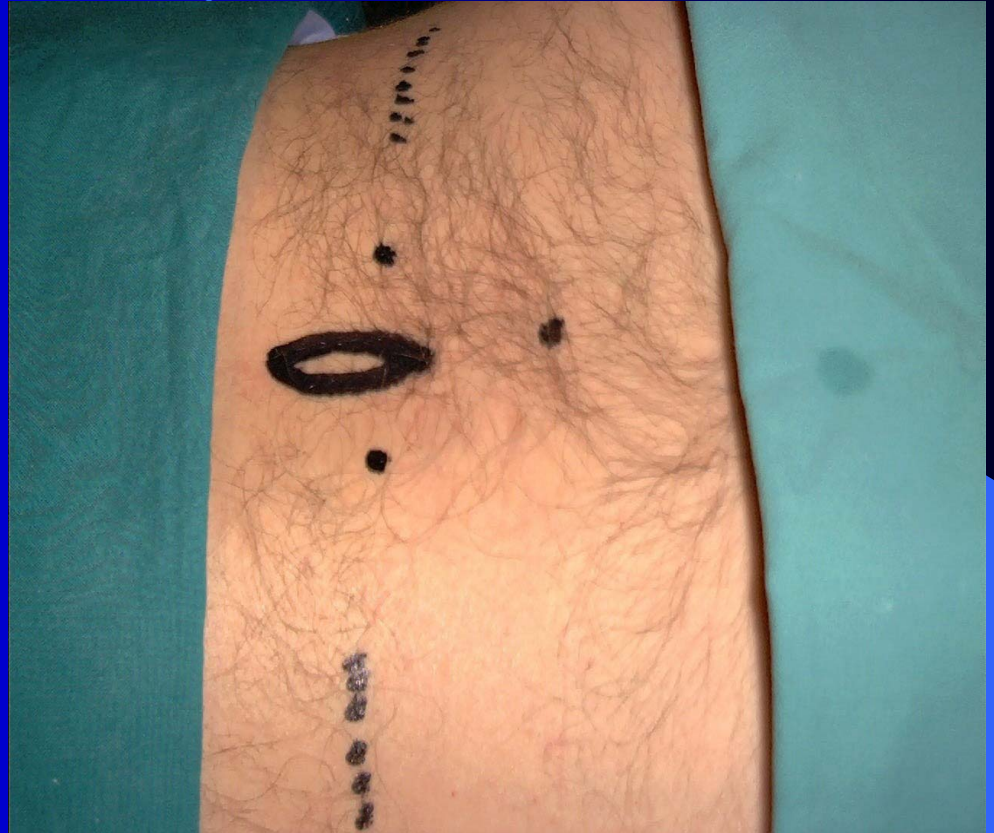


Fig.4

In fact the disc, in the lumbar column, is at the level of the low part of the spine of the upper vertebra as the fig.4 shows.

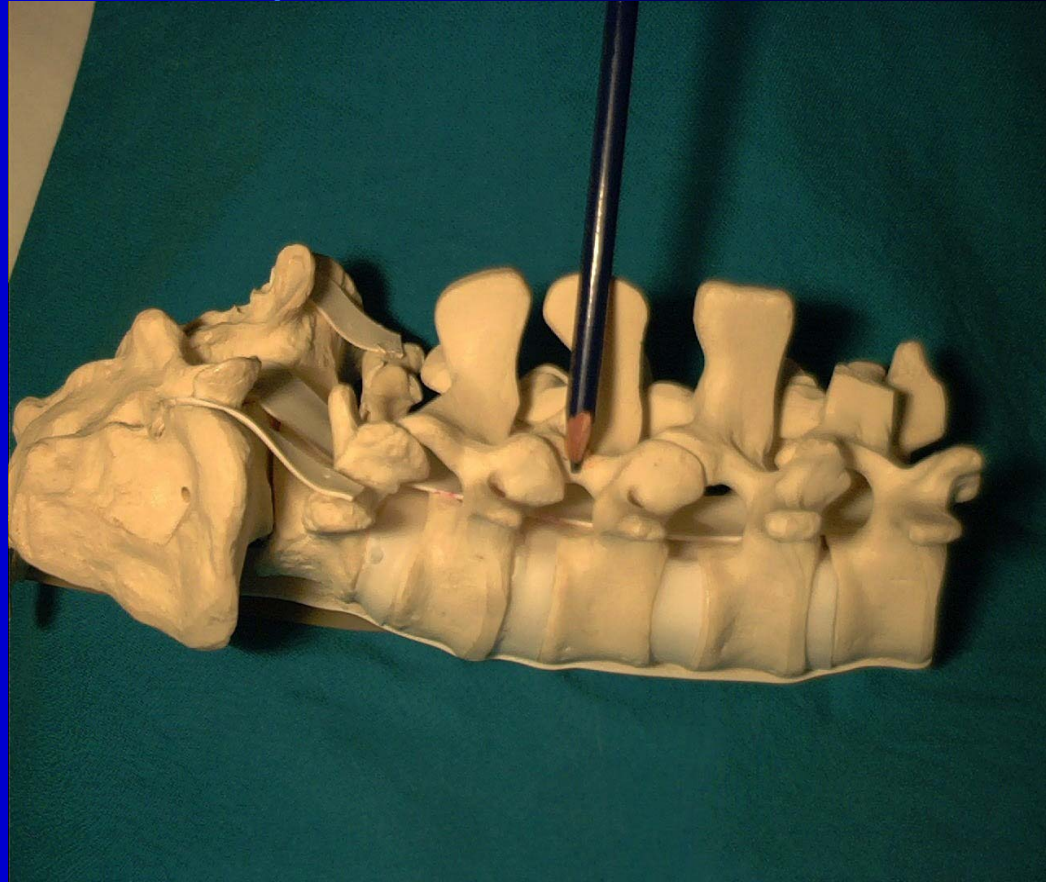


Fig.5

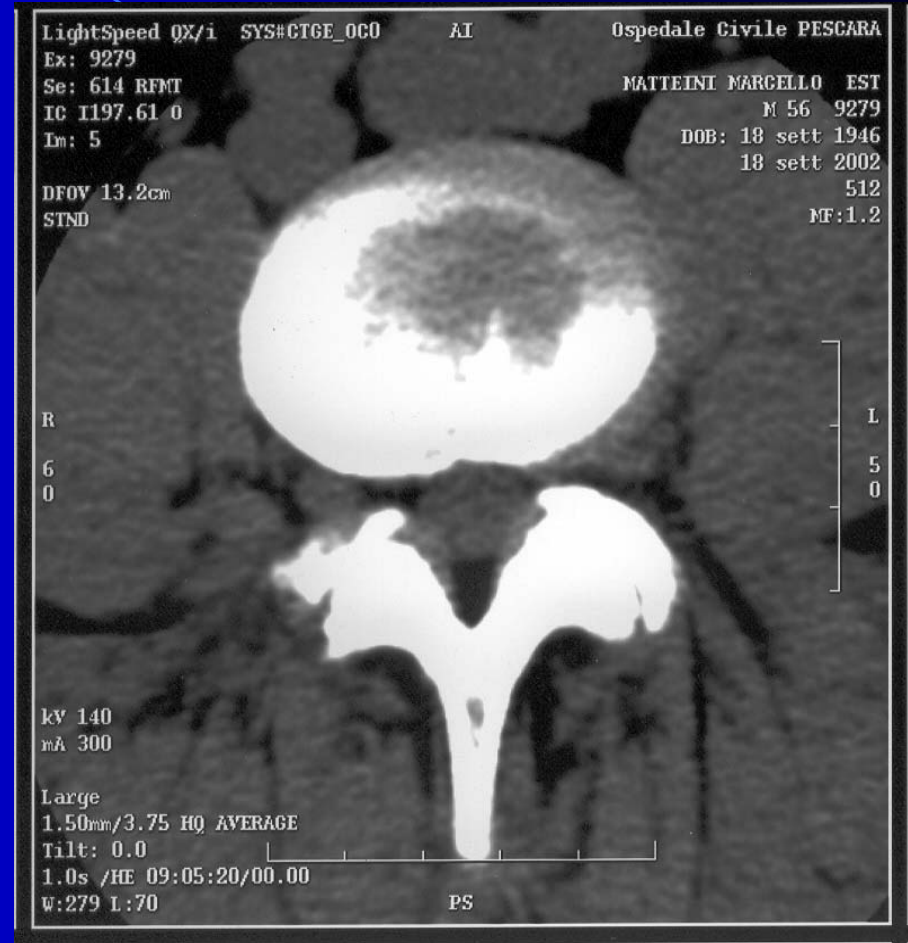
The needle is introduced perpendicularly for 5,5 – 6 centimetres and therefore it is necessary to use a spinal needle (9centimetres) (fig.5).



Fig. 6

The pain regressed after 6 infiltrations.

After two months from the end of the treatment the patient performed a CT control which documented the vanishing of the cyst (fig.6).



Other images of the lesion before (fig.7) and after (fig.8) the infiltrations with medical Ozone

Fig.7



Fig.8

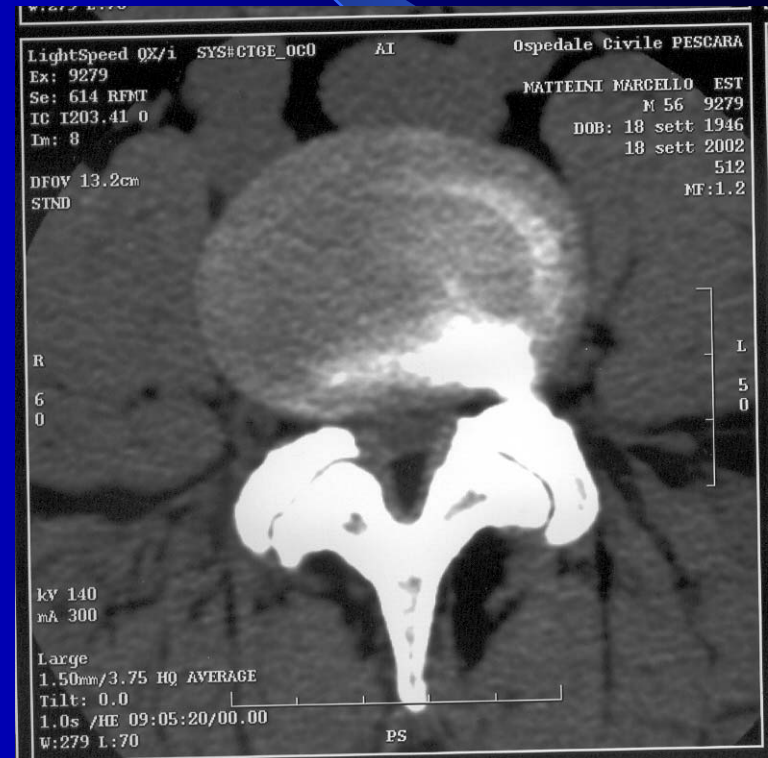


Other images of the lesion (at different slice), before (fig.9) and after (fig.10) the treatment with medical Ozone.

Fig.9



Fig.10



Other images of the lesion (in a sagittal level), before (fig.11) and after (fig.12) the treatment with medical Ozone.

Fig.11



Fig.12



It is hard to find out the anatomic - pathological and histological nature of the lesion: a synovial cyst, a radicular cyst, a tumor? One thing is sure: the peripheral capsule had some vessels, in fact the lesion showed positive enhancement after medium contrast.

It is also difficult to establish the action of the medical Ozone to obtain the regression of the lesion: the lesion was not reached by the needle during the infiltrations of medical ozone, therefore we can think only to a chemical action of the Ozone.

Finally: it is possible to treat other lesions or tumors with infiltrations of medical Ozone?