



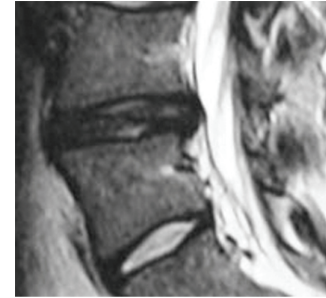
# Sensor Technologies for Changing the Worlds View of Spine Surgery (Vertebral Discs)



Geisert Square GmbH

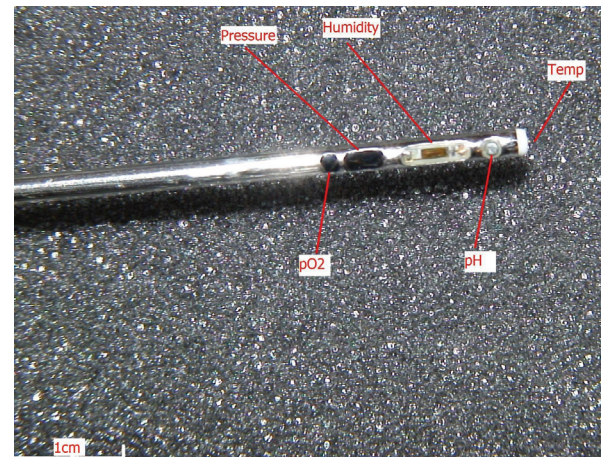
## BACKGROUND and BASICS

Although different options are available for the treatment of degenerative disease of the intervertebral disc, decisions are currently based primarily on visual determinations only. In the future, we believe that chemical analysis of the disc as a diagnostic adjunct will lead to increased satisfaction for physicians, patients, and companies by increasing the likelihood of a successful result.



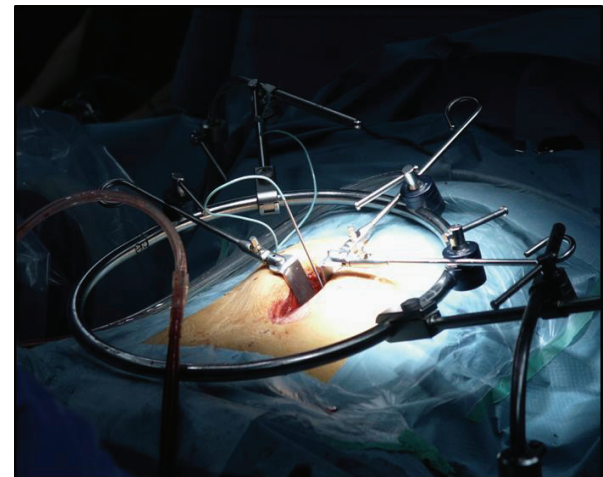
## CONCEPT and SOLUTION

- During the procedure of the Discography, the additional step of the “Disc Analyzer” will be performed to gather the chemical datas of Hygrometry, Ph, Temperature, Pressure, and PO<sup>2</sup>.
- The Disc Analyzer contains five sensors on one 18 to 22 gauge needle, sending datas gathered from the vertebral disc to hand held data gathering device, which can be digitally stored for comparison and validation in the “Disc Analyzer Society of Surgeons.”
- This invention will insure the exact indication for medication, rehabilitation, or surgical diagnosis will equal the result expected and desired for both the surgeon and the patient.



## STATUS and OUTLOOK

- Research and Development has accomplished the first documented data collection of the components inside a “white and black disc.”
- The “Disc Analyzer” development is now in the manufacturing of the “Second Generation” Disc Analyzer prototyping of instruments, data collection box, and calibration kits for European Trials.
- Prior to manufacturing successful products for public use, we will complete the European Trails by May 09, present findings at SAS 2009 in London, and submit 510K FDA application.
- The “Disc Analyzer” is searching for partners that have a readiness to invest and for R&D / Manufacturers of electronic equipment.



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