



**Claus Carstens**

**Contact**

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## Publications (6)

Guehring T, Omlor G, Lorenz H, Engelleiter K, Richter W, Carstens C, Kroeber M. Disc distraction shows evidence of regenerative potential in degenerated intervertebral discs as evaluated by protein expression, magnetic resonance imaging, and messenger ribonucleic acid expression analysis. *Spine* 2006; 31:1658-65.

Omlor G, Lorenz H, Engelleiter K, Richter W, Carstens C, Kroeber M, Guehring T. Changes in gene expression and protein distribution at different stages of mechanically induced disc degeneration--an in vivo study on the New Zealand white rabbit. *Journal of orthopaedic research : official publication of the Orthopaedic Research Society* 2006; 24:385-92.

Unглаub F, Guehring T, Lorenz H, Carstens C, Kroeber M. Effects of unisegmental disc compression on adjacent segments: an in vivo animal model. *European spine journal : official publication of the European Spine Society, the European Spinal Deformity Society, and the European Section of the Cervical Spine Research Society* 2005; 14:949-55.

Guehring T, Omlor G, Lorenz H, Bertram H, Steck E, Richter W, Carstens C, Kroeber M. Stimulation of gene expression and loss of anular architecture caused by experimental disc degeneration--an in vivo animal study. *Spine* 2005; 30:2510-5.

Bertram H, Kroeber M, Wang H, Unглаub F, Guehring T, Carstens C, Richter W. Matrix-assisted cell transfer for intervertebral disc cell therapy. *Biochemical and biophysical research communications* 2005; 331:1185-92.

Kroeber M, Unглаub F, Guehring T, Guegring T, Nerlich A, Hadi T, Lotz J, Carstens C. Effects of controlled dynamic disc distraction on degenerated intervertebral discs: an in vivo study on the rabbit lumbar spine model. *Spine* 2005; 30:181-7.

## Projects (0)

No results found.

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Kantonsspital St.Gallen

Rorschacher Strasse 95

CH-9007 St.Gallen

T: +41 71 494 11 11

[support.forschung@kssg.ch](mailto:support.forschung@kssg.ch)