

Cement injection device for Vertebroplasty



Telesystem allowing precise control of both cement viscosity and injection duration for vertebroplasty surgical procedures

KEYWORDS

Robotic surgery

Percutaneous
vertebroplasty

Minimally invasive surgery
Spinal treatment

PATENTS

EP15305974

EP15305975

(filed 24 June 2015)

LAB

B. Bayle

- ICube -

UMR 7357

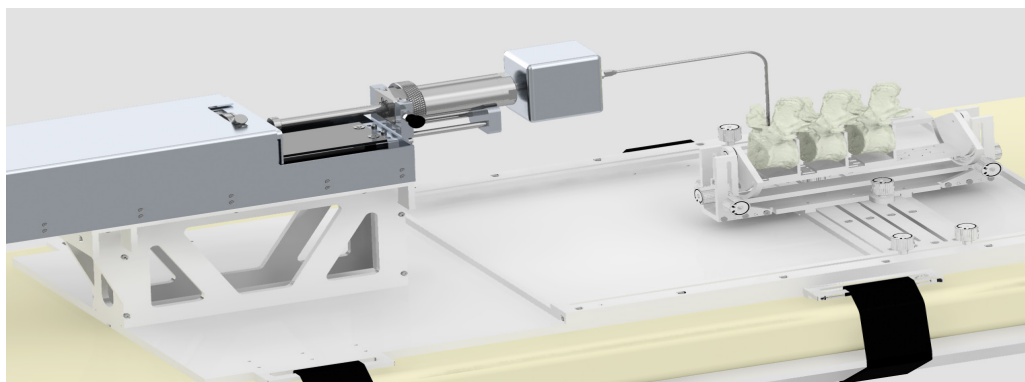
CNRS - Unistra

Strasbourg, FR



TECHNOLOGY

- Master-slave system for cement injection
- Viscosity control during the entire procedure, minimum and maximum viscosity settings
- Fine adjustment of injection speed
- Easy operation: finger lever with haptic feedback



Cement injector

APPLICATIONS

- Percutaneous vertebroplasty surgical procedures

ADVANTAGES

- Radioprotection thanks to remote control
- Compatible with all commercially available cements, low or high viscosity
- Delays cement hardening point
- Lessens risk of cement leakage outside vertebral body

DEVELOPMENT STATUS

- Prototype available soon for demonstration on phantom vertebrae

Partnership: Seeking partners to licence the patent

CONTACT

Veronika Vallion
Business Developer

Tél. : +33 6 10 07 00 19 - veronika.vallion@satt.conectus.fr