

## Contact

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## Bonalive® putty

Bonalive® putty has specifically been designed to possess ideal handling properties for spine and neurosurgical procedures. It is a ready-to-use and highly moldable biomaterial, that regenerates bone effectively.

Bonalive® putty contains bioactive glass S53P4 that is osteoconductive and osteostimulative\*. In addition, it contains a water-soluble synthetic binder which is a blend of polyethylene glycols (PEGs) and glycerol that acts as a temporary binding agent for the bioactive glass.

After implantation the binder is absorbed within a few days, leaving behind only the bioactive glass, thus permitting tissue infiltration between the granules to facilitate the regeneration of bone.

### Main Properties

- Highly moldable, allowing it to be easily mixed with autograft and packed in e.g. interbody fusion cages
- Can be injected into the interbody space before cage implantation
- Stays in place, i.e. does not dissolve or wash away during the implantation

### Indication

- Filling of bony voids and gaps

### Official Product Claim

- Osteostimulative\*

\*non-osteoinductive

# Bonalive Spine Fusion Live Surgery

- April 2019



Invitation

April (8 &) 9, 2019

Turku University Hospital | Turku, Finland

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Bonalive Spine Fusion Live Surgery - updated November 01, 2018

Join us for this live surgery course to  
experience the advantages of  
Bonalive® putty in spine surgery!

 TYKS TURKU UNIVERSITY  
HOSPITAL

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# Bonalive Spine Fusion Live Surgery - April 2019

## Welcome

We welcome you to participate in a spine live surgery course hosted by Adjunct prof. Janek Frantzén in the city of Turku in South-Western Finland.

The spine fusion surgery will be performed at the Turku University Hospital (TYKS) using the bioactive glass product, Bonalive® putty for bone regeneration. The use of a navigation device and O-arm surgical imaging system will also be demonstrated.

Please find the preliminary agenda attached and further information below.

- **Product:**  
Bonalive® putty (Bonalive Biomaterials)  
[www.bonalive.com](http://www.bonalive.com)
- **Surgical procedure:**  
Interbody fusion or posterolateral fusion
- **Operating surgeon:**  
Adjunct prof. Janek Frantzén, MD, PhD, Consultant Neurosurgeon, Turku University Hospital, Finland

The occasion will provide us all with an excellent opportunity for discussion and comparison of experiences from different centers.

Welcome!

Sincerely,  
Bonalive Biomaterials Ltd in collaboration with Adjunct prof. Janek Frantzén and Turku University Hospital, Finland



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## Monday April 8, 2019

Turku, Finland

*In case of flying to Helsinki airport, please arrive no later than 14.00. It takes two hours to drive to Turku.*

Afternoon  
16.00–17.00

**Arrival in Turku and hotel check-in  
Bonalive Biomaterials factory visit**  
Biolinja 12, Turku

- Welcome
- Company introduction
- Introduction to the Bonalive® bioactive glass technology
- Bonalive manufacturing presentation
- Bonalive factory roundtour

19.00

**Presentation of the patient case  
and dinner**

Restaurant Tintå, Läntinen  
Rantakatu 9, Turku

## Tuesday April 9, 2019

T-Hospital of Turku University Hospital  
Hämeentie 11, 20521 Turku

08.15

Transportation to T-Hospital, Turku  
University Hospital

09.00–14.00

**Live surgery**

14.00–14.30

Lunch

14.30–15.00

**Bioactive glass in spine surgery**

Presentation by Adjunct prof. Janek  
Frantzén

15.00

Farewell

*Please note that it takes two hours to drive to Helsinki airport. We recommend to book the return flight earliest at 18.00.*



*Image: Bonalive® putty in spine surgery – March 2016, Turku, Finland*

## Registration

Registration fee: Free of charge

Registration  
deadline: March 10, 2019

Please register to: [linn-sophie.bodo@bonalive.com](mailto:linn-sophie.bodo@bonalive.com)

Maximum  
amount of  
participants: 3 medical experts

## Included in the course

- Hotel accommodation for 1 night April 8-9
- Dinner on April 8
- Lunch April 9
- Course participation and course material