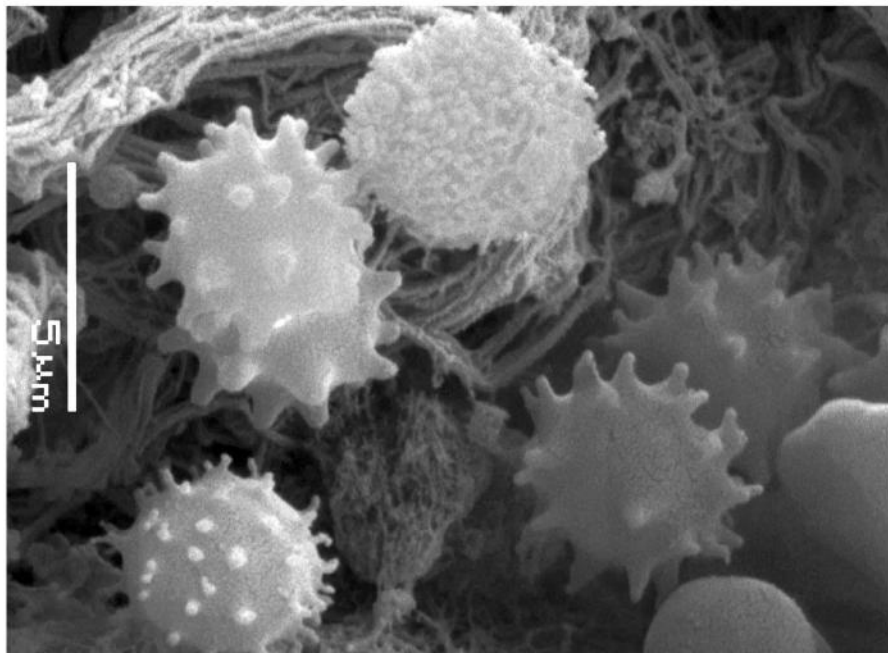


# CLINICAL ORAL IMPLANTS RESEARCH

Official Publication of the European Association for Osseointegration

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## Clinical Research – Surgery

### ABSTRACT N° EAO-429 Replacement of teeth by immediate implantation in infected site

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#### Background:

The literature reports success rates of 92%–100% for immediate implantation in infected sockets, which is comparable to the 98.4% survival rate found for immediate implants in non-infected sockets. There is no evidence that points towards decreased survival rates of implants placed in infected sockets compared to placement in non-infected sites.

#### Aim/Hypothesis:

To evaluate the successes of the immediate implant placement in areas exhibiting periapical lesions, gaining aesthetics and function by establishing a successful protocol for safe implant installation.

#### Material and Methods:

Surgical intervention and bone grafting were performed in advance of tooth extraction in order to resolve the infection and develop the site for immediate implantation, helping ensure the bone volume needed for high primary stability.

#### Results:

The reported case has clinically demonstrated that the presented protocol with the laser decontamination of the socket, grafting with an in situ hardening material and non-submerged healing is an acceptable protocol for the management of the implant rehabilitation of patients with infected teeth requiring extraction.

#### Conclusion and Clinical implications:

This study is a proof of principle that sockets can heal naturally with immediately placed implants in infected sites and tissue shrinkage can be reduced by utilizing least invasive surgical and prosthetic protocol.

Keywords: Alveolar ridge preservation, Bone graft, Immediate implant placement.

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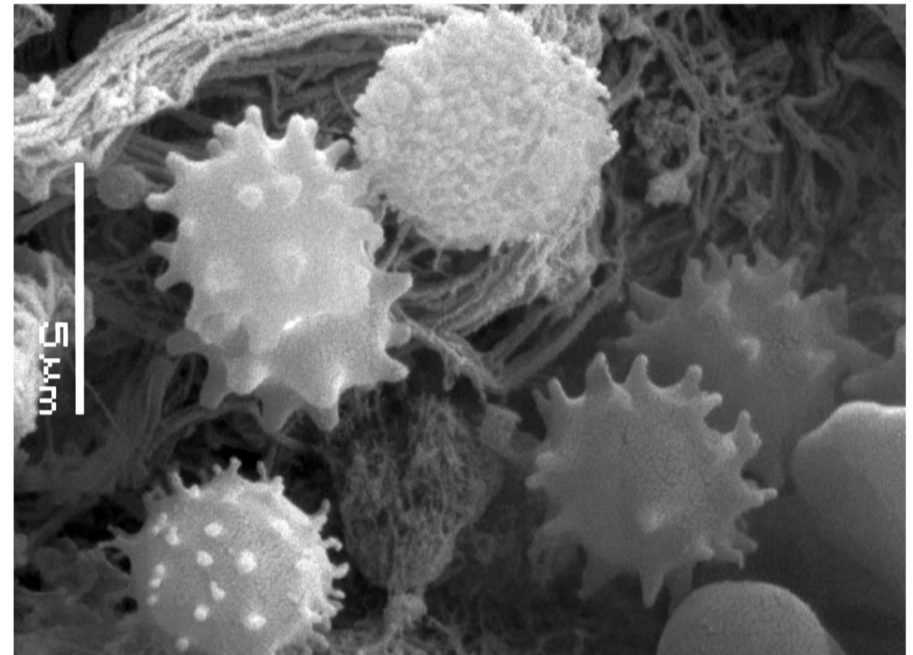
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