

# Dental implant surgery for patients on oral anticoagulants

<b>Submission date</b> 02/03/2009	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 17/03/2009	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
<b>Last Edited</b> 17/03/2009	<b>Condition category</b> Oral Health	<input type="checkbox"/> Individual participant data <input type="checkbox"/> Record updated in last year

**Plain English summary of protocol**  
Not provided at time of registration

## Contact information

**Type(s)**  
Scientific

**Contact name**  
Dr Hamad Al Zoman

**Contact details**  
Sultan Bin Abdulaziz Humanitarian City  
P.O. Box 64399  
Riyadh  
Saudi Arabia  
11536

## Additional identifiers

**Protocol serial number**  
006

## Study information

**Scientific Title**  
Flapless dental implant surgery for patients on oral anticoagulants: a novel bridging paradigm between clinical technique and therapeutic guidelines (WarLess Procedure)

**Study objectives**

To evaluate the combination of minimally invasive flapless dental implant surgery without interrupting the regular dose of the anticoagulant medications.

### **Ethics approval required**

Old ethics approval format

### **Ethics approval(s)**

Research and Ethics Committee, Sultan Bin Abdulaziz Humanitarian City gave approval on the 23rd March 2007 (ref: 006)

### **Study design**

Observational cohort case study

### **Primary study design**

Observational

### **Study type(s)**

Treatment

### **Health condition(s) or problem(s) studied**

Haematology/dental implants

### **Interventions**

Males and females with a history of rheumatic heart disease were included for the case study. Four tablets of amoxicillin 500 mg (2 grams) were given to both patients one hour pre-operatively as a prophylactic antibiotic. Patients were instructed to rinse their mouth for 30 seconds with mouth rinse (chlorhexidine) prior to the dental surgery. Infiltration of one carpule of local anaesthesia (2% lidocaine with 1:100,000 epinephrine) was administered around the edentulous area and then the flapless dental implant procedure was performed. Radiographic images were taken pre- and post-implant insertion. Patients were given post-operative instructions and the antibiotic was prescribed (amoxicillin 500 mg, three times/day) for the next ten days with analgesics (ibuprofen 400 mg) to be taken only in need.

### **Intervention Type**

Drug

### **Phase**

Not Applicable

### **Drug/device/biological/vaccine name(s)**

Amoxicillin, chlorhexidine, lidocaine, epinephrine, ibuprofen

### **Primary outcome(s)**

1. Bone healing
2. No bleeding

Measured at baseline, 1-week, 4-week and 6-month follow-up visit.

### **Key secondary outcome(s))**

No secondary outcome measures

**Completion date**

29/09/2008

## Eligibility

**Key inclusion criteria**

1. History of rheumatic heart disease
2. Long term anticoagulant maintenance therapy with warfarin
3. Missing tooth/teeth
4. Both sexes, aged from 40 to 60 years

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Adult

**Sex**

All

**Key exclusion criteria**

1. International normalised ratio (INR) greater than 4.1
2. No missing tooth/teeth

**Date of first enrolment**

06/04/2007

**Date of final enrolment**

29/09/2008

## Locations

**Countries of recruitment**

Saudi Arabia

**Study participating centre**

Sultan Bin Abdulaziz Humanitarian City

Riyadh

Saudi Arabia

11536

## Sponsor information

## Organisation

King Abdulaziz City for Science and Technology (Saudi Arabia)

## ROR

<https://ror.org/05tdz6m39>

## Funder(s)

### Funder type

Research organisation

### Funder Name

King Abdulaziz City for Science and Technology (Saudi Arabia) - General Directorate of Research Grants Programmes

## Results and Publications

### Individual participant data (IPD) sharing plan

### IPD sharing plan summary

Not provided at time of registration

### Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<a href="#">Participant information sheet</a>	Participant information sheet	11/11/2025	11/11/2025	No	Yes