

Koen De Smet, MD

**CERAMIC  
ON  
CERAMIC**

**RECERF**

Surgery in Johannesburg South  
Africa (Roseacres Hospital)



## Ceramic on Ceramic

# RECERF

- **Manufactured by MatOrtho Limited United Kingdom**
- **Minimal bone removal compared to total hip**
- **Ball-and-socket bearing with same size as the natural hip joint**
- **Less dislocation as with total hip, retaining the healthy femoral head**
- **No exposure to metal debris and metal ions, minimal risk for allergy**
- **Less risk for problems in female patients and small sizes**
- **Same importance for highly technical experience of hip joint surgeon as with MOM resurfacing**

The ReCerf® Hip Resurfacing device has been extensively laboratory tested where the device was subjected to loads far in excess of those expected in a patient's own body such as falls (stumbling) and traumatic events such as head-on car crash to evaluate its performance limitations. Mechanical testing and state-of-art finite element analysis (computer modelling) investigated all aspects of performance of the device such as static and fatigue limits, joint simulator wear testing including microseparation, head and cup fixation and predictive bone remodelling.

All testing meets or exceeds the design parameters.

Additionally, the fixation coating type is one that has been used for many years on metal total hip implants and exceeds all test standards. The ceramic material used in the components of the device has been use in total hips over 16 years and is supplied by the world leader in ceramic material.

As discussed above because ReCerf® is a new device, it does not yet have enough clinical data to predict all outcomes and no-one can know what unexpected issues may arise until a dataset of clinical evidence has been accumulated, however this extensive testing supports the use of the device in patients.

The first ReCerf® device was implanted on 24th September 2018 and a small number have been implanted since then. All patients continue to do well and their consultant's report no issues with the device. Patients are being followed up closely to ensure the continued success of the device and early reporting of any unexpected issues.



The first-class team of health professionals at the 128-bed Life Roseacres Hospital focuses on an experience of top-quality care for everybody who visits or is admitted to this healthcare facility. Results of ongoing patient surveys show that a stay at the Life Roseacres Hospital reflects the high standards of health and care that the staff sets out to deliver to patients. The modern sophisticated facilities include 4 theaters, a 24-hour accident and emergency unit with a resuscitation room, a general and neonatal ICU, a secure and well-equipped maternity ward with private family room, a psychiatric ward and radiology facility. A large number of health professionals from different disciplines can be consulted at this top-class hospital. Through their ongoing quality training, hospital employees are able to deliver excellent healthcare and embrace the principles of empathy, ethics, excellence and empowerment. Life Roseacres Hospital is a member of the Life Healthcare Group, one of the largest private hospital groups in South Africa, operating more than 60 acute facilities across the country.

**Dr.Koen De Smet with his team will be assisted by the well known Prof.Dr. Chris Frey and he will cover his patients during their stay in South Africa.**

# COC RESURFACING IN SOUTH AFRICA

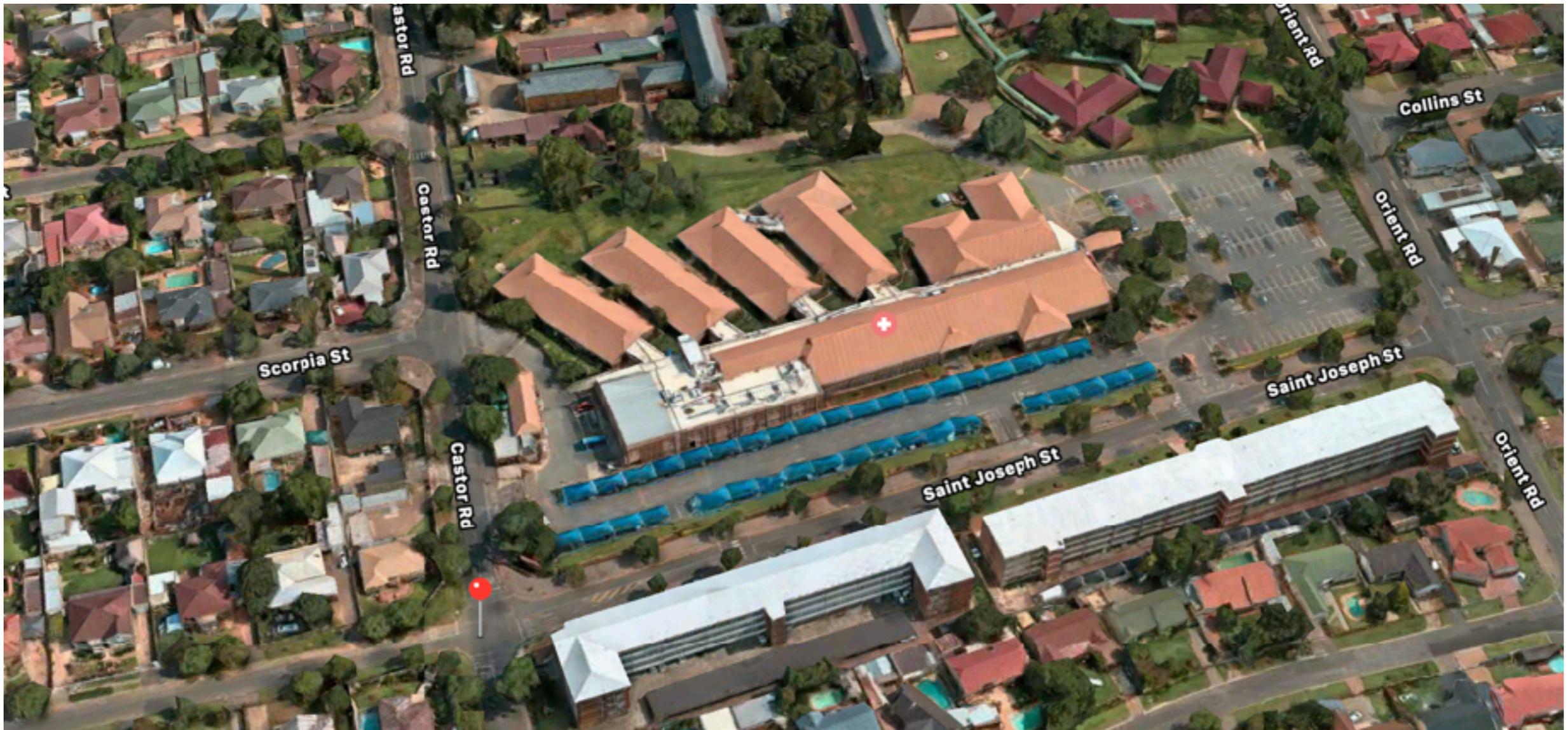
Flights will be onto Johannesburg Tambo international Airport (IATA: JNB, ICAO: FAOR).

The airport is 14 minutes from the Roseacres Hospital (<https://www.lifehealthcare.co.za/hospitals/gauteng/johannesburg/life-roseacres-hospital/>), 13 minutes away from the St Andrews Hotel and Spa (<http://st-andrewshotel.co.za/Default.asp>), where patients can stay before surgery or the spot for their accompanying relatives or friends.

The hospital is 11 minutes away from the Roseacres Hospital. For all transfers a cab service will be organized by our team.

*Patient arrives at Tambo international airport, will be transferred to hotel or hospital. Admission is the afternoon 2.00PM before the date of surgery. Surgery with ReCerf® performed in the Roseacres Hospital on day 1. Day 2 rehab with 2 crutches and walking, day 3 doing stairs and transfer to the rehabilitation that will be done in the hotel (St.Andrews) or in a Safari resort nearby. There will be daily physiotherapy and nursing. 24/24 nursing will be available on the rehab days. After one week of rehab patient is ready to fly home. For bilateral surgeries 4 days should be added on these timeframes.*





*Roseacres Hospital where ceramic on ceramic resurfacing ReCerf will be performed by Koen De Smet and his team*

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