

DOCTORAL  
THESIS  
SAHLGRENKA  
ACADEMY

2021

Orthogeriatric Anaesthesia | Fredrik Olsen



# Orthogeriatric Anaesthesia

Studies on the bone cement implantation syndrome, risk prediction and intraoperative haemodynamics

Fredrik Olsen

**SAHLGRENKA ACADEMY**  
**INSTITUTE OF CLINICAL SCIENCES**



ISBN 978-91-8009-316-3 (PRINT)  
ISBN 978-91-8009-317-0 (PDF)

Printed by Stema Specialtryck AB, Borås