

Silent Spread: OXA-181 K. pneumoniae Outbreak



GERMANY

HELIOS HANSEKLINIKUM STRALSUND
2025

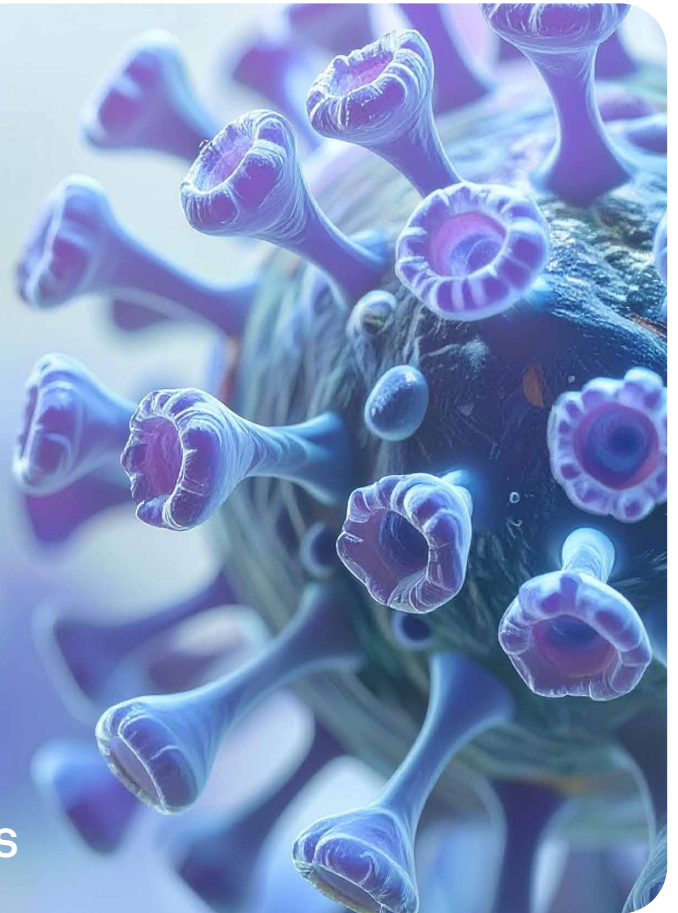
PROCEDURE:
COLONOSCOPY, EGD

PATHOGEN:
OXA-181-PRODUCING K. PNEUMONIAE



CASES INFECTED:

- INITIALLY 19 PATIENTS
(16 GI PROCEDURES)
- LATER 32 TOTAL INFECTIONS
- PATHOGEN FOUND IN 2 SCOPES



REPROCESSING FAILURE:

BIOFILM DEVELOPMENT AND PHYSICAL DAMAGE INSIDE SCOPE CHANNELS MADE PERACETIC-ACID DISINFECTION INEFFECTIVE. RESIDUAL MOISTURE PERSISTED.



PATHOGEN IMPACT:

CAUSES NOSOCOMIAL INFECTIONS (BACTEREMIA, PNEUMONIA, PERITONITIS, UTIS) WITH HIGH MORBIDITY DUE TO CARBAPENEM RESISTANCE.

SOURCE: Li D, Shi Q, Chen Y, et al. Clinical and microbiological characteristics of bloodstream infections caused by Klebsiella pneumoniae: a systematic review. Front Cell Infect Microbiol. 2023;13:1157010

CONSEQUENCES:

- SCOPE REPLACEMENTS
- ENHANCED AUDITS
- MICROBIOLOGICAL SURVEILLANCE IMPLEMENTED
- ESTIMATED COST: HUNDREDS OF THOUSANDS € IN SCOPE REPLACEMENTS, TESTING, AND EXTENDED HOSPITAL STAYS

**Protect your patients, protect your hospital ,
let's find the right solution together.**

SOURCE: Haak J, Schnell D, Luinstra M, et al. Endoscope-associated outbreak of OXA-181-carbapenemase-producing Klebsiella pneumoniae and its implications for hygiene management. J Hosp Infect. 2025;147:44–51. <https://pubmed.ncbi.nlm.nih.gov/39924117/>

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