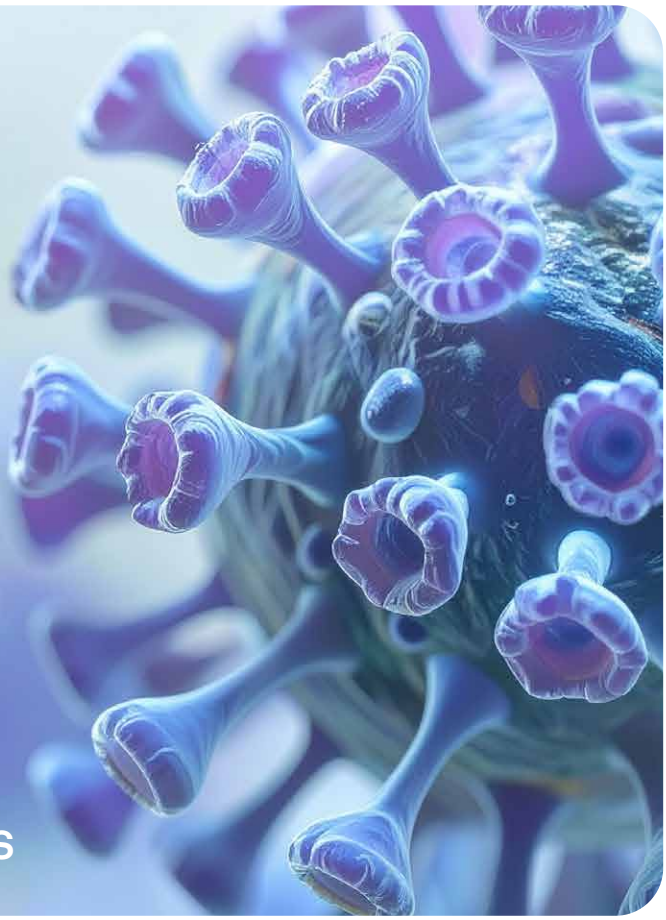
Outbreak Case Files

ASP Advanced Sterilization Products

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: Simner PJ, Patel R. New β-Lactam/β-Lactamase Inhibitor Combinations in the Treatment of Multidrug-Resistant Gram-Negative Bacteria. Infect Dis Ther. 2023;12(3):1243–1264.

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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