

MDR K. pneumoniae: Duodenoscope-associated Outbreak



NETHERLANDS
2019

PROCEDURE:

ERCP, OLYMPUS TJF-Q180V DUODENOSCOPES

PATHOGEN:

MDR K. PNEUMONIAE



CASES INFECTED:

- 27 OUT OF 81
EXPOSED PATIENTS
INFECTED OR COLONIZED



REPROCESSING FAILURE:

DESIGN-RELATED CONTAMINATION IN ELEVATOR MECHANISM; ROOT CAUSE ANALYSIS IDENTIFIED DUODENOSCOPE DESIGN VULNERABILITY.



PATHOGEN IMPACT:

MDR KLEBSIELLA CAN CAUSE BLOODSTREAM INFECTIONS DURING ERCP; DIFFICULT TO TREAT AND HIGH TRANSMISSION RISK.

SOURCE: Tamma PD, Aitken SL, Bonomo RA, et al. Infectious Diseases Society of America Guidance on the Treatment of ESBL-producing Enterobacterales, CRE, and DTR-Pseudomonas aeruginosa. JAMA. 2021;326(3):289–290.

CONSEQUENCES:

- REMOVAL OF AFFECTED MODELS
- CHANGE IN DEVICE PROTOCOLS
- STERILIZATION DESIGN REVIEW
- COST IN EQUIPMENT CHANGE, TESTING, AND PATIENT MANAGEMENT.

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

SOURCE: Rauwers AW, Vos MC, Buijs JG, et al. Outbreak of multidrug-resistant Klebsiella pneumoniae linked to contaminated duodenoscopes: Root cause analysis and national implications. Gut. 2019;68(9):1641–1643. <https://pubmed.ncbi.nlm.nih.gov/31102643/>

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