

TRANSFORMING DRUG SHORTAGES INTO OPPORTUNITIES FOR OPTIMAL USE OF AZTREONAM

Samitier Samitier D¹; Torroba Sanz B¹; Dominguez Chaparro G¹; Montes Gómez JM¹; del Barrio Buesa S¹; Carrillo Burdallo A¹; Ferris Villanueva M¹; Taladriz Sender I¹; de Lorenzo Pinto A¹; Herranz Alonso A¹; Sanjurjo Sáez M¹.

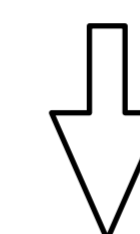
¹Servicio de Farmacia. Hospital General Universitario Gregorio Marañón. Instituto de Investigación Sanitaria Gregorio Marañón (IISGM). Madrid, Spain

BACKGROUND AND IMPORTANCE

Many patients are incorrectly labeled as beta-lactam allergic leading to an inappropriate use of aztreonam. A national drug shortage arose an opportunity to ensure the suitable utilization of the antibiotic.

AIM AND OBJECTIVE

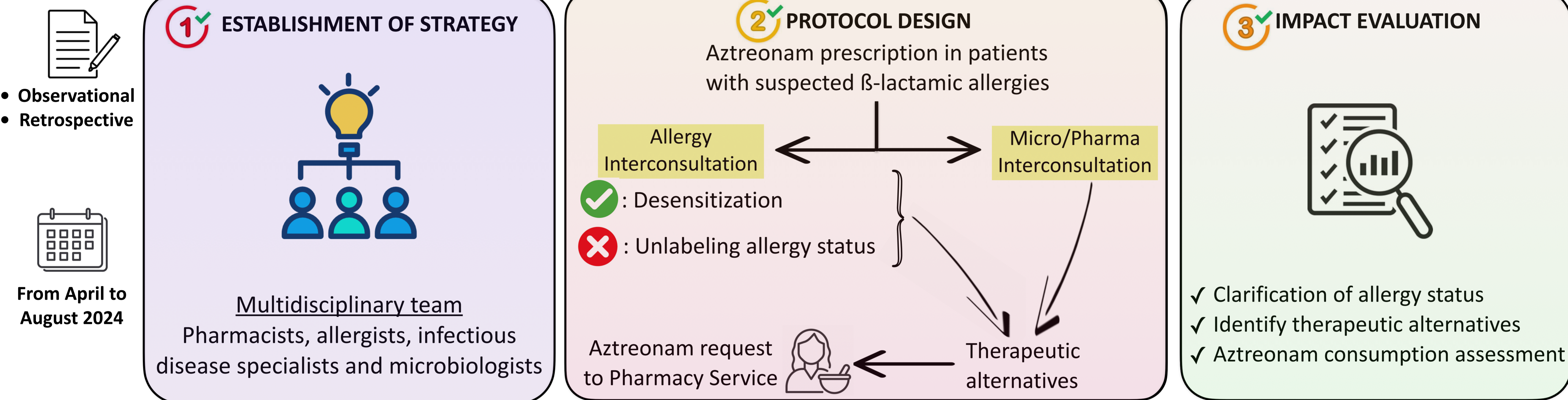
Develop an optimized stewardship plan for aztreonam



Analyse the outcomes of the implementation

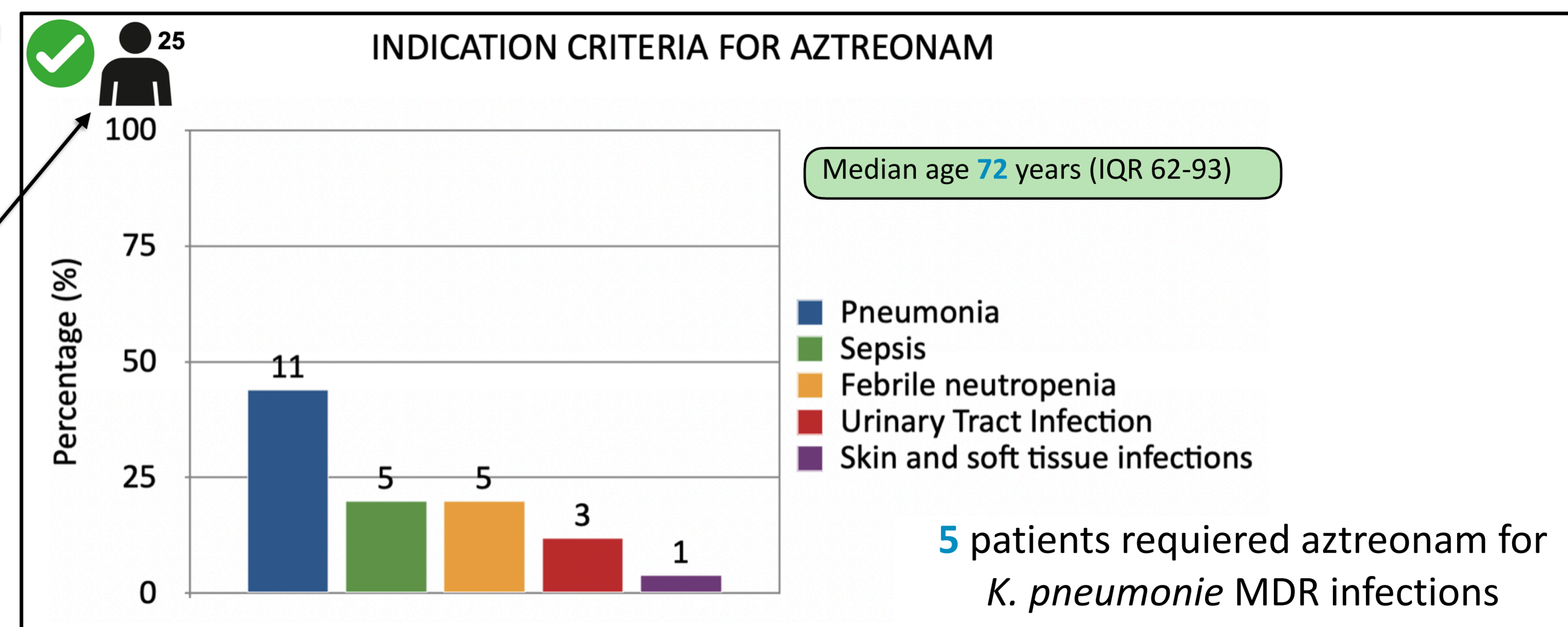
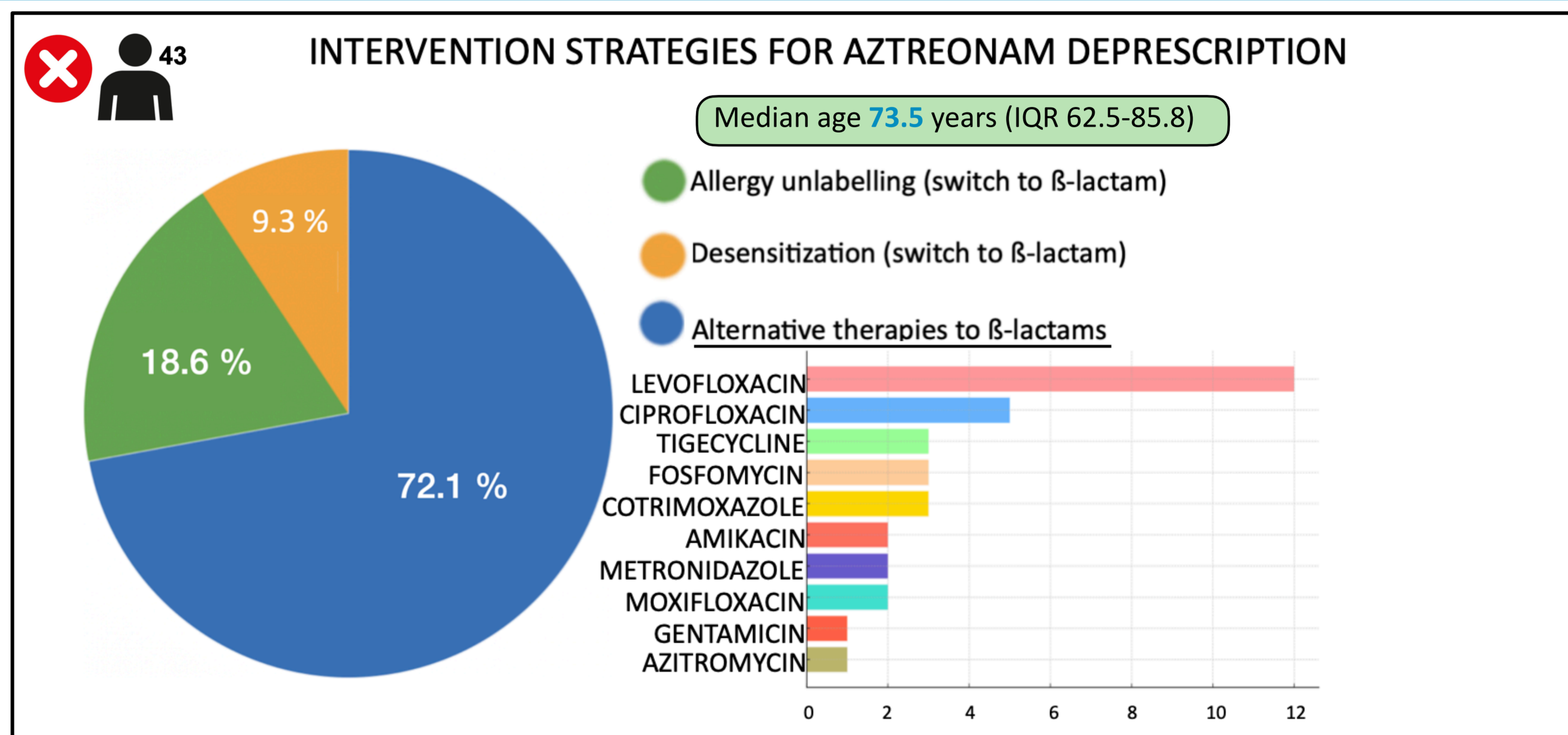
MATERIALS AND METHODS

ACTION PLAN



RESULTS

	2023	2024
Patients with aztreonam prescription	106	68
Patients with allergy status confirmed	55.7%	76.3%
Dose defined daily (DDD)	454.25	232.50



The Pharmacy Service prepared 445 intravenous mixtures of aztreonam in that period of 2024

CONCLUSION AND RELEVANCE

The implementation of this action plan has enhanced the antibiotic stewardship through multidisciplinary collaboration making possible to overcome the drug shortage.

