

# Insights in Biology and Medicine

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## Clinical Trial

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### [Evaluation of the Clinical Rationality of the use of Cefazoxime Sodium for Injection in 328 Cases](#)

**Objective:** To study the use of cefazoxime sodium for injection in inpatients of the Third People's Hospital of Yancheng City, and to provide reference for the rational clinical use of cefazoxime sodium.

**Methods:** A retrospective study method was used to retrieve the medical records of patients discharged from 2 departments of urology and general surgery of the hospital using cefazoxime sodium in June-August 2023, and the rationality of the clinical use of injectable cefazoxime sodium was evaluated with reference to the relevant standards.

**Results:** A total of 328 valid cases were included, of which 6 cases did not meet the dosage criteria, 10 cases did not meet the treatment time criteria; 44 cases did not meet the indication criteria. The comprehensive judgement of the reasonableness of the clinical use of cefazoxime sodium for injection resulted in 272 cases of reasonable use of the drug; 56 cases of unreasonable use of the drug.

**Conclusion:** The clinical use of cefazoxime sodium for injection in this hospital is irrational and needs to be further strengthened and corrected.

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## Research Article

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### [Age Pyramid Assessment of Commercially Important Fishes, \*Cirrhinus mrigala\* and \*Oreochromis niloticus\*, from the Tropical Yamuna River, India](#)

Fish are important organisms as they indicate the ecological and environmental processes and the producer-consumer interactions. The fish samples of *Cirrhinus mrigala* and *Oreochromis niloticus* were collected from the Yamuna River at Allahabad (now Prayagraj), India, from August 2011 to July 2012. During the study period, 335 specimens of *Cirrhinus mrigala* and 516 specimens of *Oreochromis niloticus* were examined for the estimation of the age pyramid. The age groups varied from 0+ to 10+, and a heavy bottom or broad-based age pyramid was recorded in *C. mrigala*. The age groups varied from 0+ to 6+, and Urn shaped age pyramid was recorded in *O. niloticus*. The age group 2+ dominated by virtue of numbers in the lower stretch of the Yamuna River in both species of stock.

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