

- of Human Pharmacology and Drug Therapy. 2019;39(11):1077-1094.
5. Falagas ME, Vouloumanou EK, Samonis G, et al. Fosfomicin. *Clin Microbiol Rev.* 2016;29(2):321-347.
  6. Tran MT. New ways of using old antibiotics in pediatrics: Focus on fosfomicin. *Pharmacotherapy: The Journal of Human Pharmacology and Drug Therapy.* 2023;43(7):705-712.
  7. Pfausler B, Spiss H, Dittrich P, et al. Concentrations of fosfomicin in the cerebrospinal fluid of neurointensive care patients with ventriculostomy-associated ventriculitis. *Journal of Antimicrobial Chemotherapy.* 2004;53(5):848-852.
  8. König C, Martens-Lobenhoffer J, Czorlich P, et al. Cerebrospinal fluid penetration of fosfomicin in patients with ventriculitis: an observational study. *Ann Clin Microbiol Antimicrob.* 2023;22:29.
  9. Lenzi A, Sacconi B, Di Gregorio M, et al. Fosfomicin-Containing Regimens for the Treatment of Central Nervous System Infections in a Neonatal Intensive Care Unit: A Case Series Study. *Antibiotics (Basel).* 2024;13(7):667.
  10. Tsegka KG, Voulgaris GL, Kyriakidou M, et al. Intravenous fosfomicin for the treatment of patients with central nervous system infections: evaluation of the published evidence. *Expert Rev Anti Infect Ther.* 2020;18(7):657-668.
  11. Roussos N, Karageorgopoulos DE, Samonis G, et al. Clinical significance of the pharmacokinetic and pharmacodynamic characteristics of fosfomicin for the treatment of patients with systemic infections. *International Journal of Antimicrobial Agents.* 2009;34(6):506-515.
  12. Candel FJ, David MM, López JB. New perspectives for reassessing fosfomicin: applicability in current clinical practice. *Rev Esp Quimioter.* 2019;32(Suppl 1):1-7.
  13. Antonello RM, Di Bella S, Maraolo AE, et al. Fosfomicin in continuous or prolonged infusion for systemic bacterial infections: a systematic review of its dosing regimen proposal from in vitro, in vivo and clinical studies. *Eur J Clin Microbiol Infect Dis.* 2021;40(6):1117-1126.
  14. Busse D, Simon P, Petroff D, et al. High-Dosage Fosfomicin Results in Adequate Plasma and Target-Site Exposure in Morbidly Obese and Nonobese Nonhyperfiltration Patients. *Antimicrob Agents Chemother.* 2022;66(6):e02302-21.
  15. Rodríguez-Gascón A, Canut-Blasco A. Deciphering pharmacokinetics and pharmacodynamics of fosfomicin. *Rev Esp Quimioter.* 2019;32(Suppl 1):19-24.
  16. Asuphon O, Montakantikul P, Houngsaitong J, et al. Optimizing intravenous fosfomicin dosing in combination with carbapenems for treatment of *Pseudomonas aeruginosa* infections in critically ill patients based on pharmacokinetic/pharmacodynamic (PK/PD) simulation. *International Journal of Infectious Diseases.* 2016;50:23-29.
  17. Traunmüller F, Popovic M, Konz KH, et al. A Reappraisal of Current Dosing Strategies for Intravenous Fosfomicin in Children and Neonates. *Clin Pharmacokinet.* 2011;50(8):493-503.
  18. CLSI. MIC Breakpoint Table [Internet]. cit. 15-12-2024. Available from: [https://clsi.org/media/wxwfvzvpd/part\\_b\\_clsi\\_vs\\_fda-breakpoints.xlsx](https://clsi.org/media/wxwfvzvpd/part_b_clsi_vs_fda-breakpoints.xlsx).
  19. EUCAST. EUCAST guidance on use of fosfomicin i.v. breakpoints [on-line]. cit. 15-12-2024. Available from: [https://www.eucast.org/fileadmin/src/media/PDFs/EUCAST\\_files/Guidance\\_documents/Use\\_of\\_fosfomicin\\_iv\\_breakpoints\\_General\\_advice\\_20240528.pdf](https://www.eucast.org/fileadmin/src/media/PDFs/EUCAST_files/Guidance_documents/Use_of_fosfomicin_iv_breakpoints_General_advice_20240528.pdf).
  20. WHO. The WHO AWaRe (Access, Watch, Reserve) antibiotic book [Internet]. cit. 29-08-2024. Available from: <https://www.who.int/publications/i/item/9789240062382>.
  21. SÚKL. Fomicyt [on-line]. cit. 29-08-2024. Available from: <https://prehledy.sukl.cz/prehledy/v1/dokumenty/11675>.
  22. van de Beek D, Cabellos C, Džupova O, et al. ESCMID guideline: diagnosis and treatment of acute bacterial meningitis. *Clin Microbiol Infect.* 2016;22 Suppl 3:S37-62.
  23. Pipitone G, Di Bella S, Maraolo AE, et al. Intravenous Fosfomicin for Systemic Multidrug-Resistant *Pseudomonas aeruginosa* Infections. *Antibiotics (Basel).* 2023;12(12):1653.
  24. Tsegka KG, Voulgaris GL, Kyriakidou M, et al. Intravenous fosfomicin for the treatment of patients with bone and joint infections: a review. *Expert Rev Anti Infect Ther.* 2022;20(1):33-43.
  25. SÚKL. Urifos [Internet]. cit. 29-08-2024. Available from: <https://prehledy.sukl.cz/prehledy/v1/dokumenty/13159>.
  26. Michalopoulos AS, Livaditis IG, Gougoutas V. The revival of fosfomicin. *Int J Infect Dis.* 2011;15(11):e732-739.
  27. Merative Micromedex® [Internet]. cit. 20-07-2023. Micromedex® Drug Interactions Results. Available from: <http://micromedex.fnusa.cz/micromedex2/librarian/PFDDefault/evidencexpert.ShowDrugInteractionsResults>.
  28. Kollu K, Bas A, Gok F, et al. Effect of fosfomicin-induced hypernatremia on patients' hospital stay length and survival. *Ir J Med Sci.* 2024;193(5):2453-2459. doi: 10.1007/s11845-024-03718.
  29. Florent A, Chichmanian RM, Cua E, et al. Adverse events associated with intravenous fosfomicin. *International Journal of Antimicrobial Agents.* 2011;37(1):82-83.
  30. Al Jalali V, Matzneller P, Wulkersdorfer B, et al. Clinical Pharmacokinetics of Fosfomicin after Continuous Infusion Compared with Intermittent Infusion: a Randomized Crossover Study in Healthy Volunteers. *Antimicrob Agents Chemother.* 2020;65(1):e01375-20.
  31. Ashley C, Dunleavy A. The Renal Drug Handbook [Internet]. 5<sup>th</sup> ed. CRC Press; 2019 [citován 3. leden 2023]. Available from: [https://www.medicinainterna.net.pe/sites/default/files/The\\_Renal\\_Drug\\_Handbook\\_The\\_Ultimate.pdf](https://www.medicinainterna.net.pe/sites/default/files/The_Renal_Drug_Handbook_The_Ultimate.pdf).
  32. Mensa J, Barberán J, Soriano A, et al. Antibiotic selection in the treatment of acute invasive infections by *Pseudomonas aeruginosa*: Guidelines by the Spanish Society of Chemotherapy. *Rev Esp Quimioter.* 2018;31(1):78-100.
  33. Gatti M, Pea F. Antimicrobial Dose Reduction in Continuous Renal Replacement Therapy: Myth or Real Need? A Practical Approach for Guiding Dose Optimization of Novel Antibiotics. *Clin Pharmacokinet.* 2021;60(10):1271-1289.
  34. Parker S, Lipman J, Koulenti D, et al. What is the relevance of fosfomicin pharmacokinetics in the treatment of serious infections in critically ill patients? A systematic review. *International Journal of Antimicrobial Agents.* 2013;42(4):289-293.
  35. Baltogianni M, Dermitzaki N, Kosmeri C, et al. Reintroduction of Legacy Antibiotics in Neonatal Sepsis: The Special Role of Fosfomicin and Colistin. *Antibiotics (Basel).* 2024;13(4):333.
  36. Taylor CG, Mascarós E, Román J, et al. Enteropathogenic *E. coli* gastroenterocolitis in neonates treated with fosfomicin. *Chemotherapy.* 1977;23 Suppl 1:310-314.
  37. Keating GM. Fosfomicin Trometamol: A Review of Its Use as a Single-Dose Oral Treatment for Patients with Acute Lower Urinary Tract Infections and Pregnant Women with Asymptomatic Bacteriuria. *Drugs.* 2013;73(17):1951-1966.
  38. Lebedevs T. Fosfomicin and breastfeeding. *Aust Prescr.* 2020;43(4):113.
  39. Bouchet JL, Quentin C, Albin H, et al. Pharmacokinetics of fosfomicin in hemodialyzed patients. *Clin Nephrol.* 1985;23(5):218-221.
  40. Dalet F, Bade G, Roda M. Pharmacokinetics of fosfomicin during hemodialysis. *Chemotherapy.* 1977;23 Suppl 1:2106.
  41. Schmidt JJ, Bode-Böger SM, Wilhelmi M, et al. Pharmacokinetics and total removal of fosfomicin in two patients undergoing intermittent haemodialysis and extended dialysis: prescription needs to avoid under-dosing. *Journal of Antimicrobial Chemotherapy.* 2016;71(9):2673-2674.
  42. Gerecke LKV, Schmidt JJ, Hafer C, et al. Fosfomicin single- and multiple-dose pharmacokinetics in patients undergoing prolonged intermittent renal replacement therapy. *Journal of Antimicrobial Chemotherapy.* 2022;77(1):169-173.
  43. Gattringer R, Meyer B, Heinz G, et al. Single-dose pharmacokinetics of fosfomicin during continuous venovenous haemofiltration. *J Antimicrob Chemother.* 2006;58(2):367-371.