

Zoledronic Acid

SALAD 2 different zoledronic acid preparations; 5mg and 4mg. Use appropriate preparation.										
Form	There are two preparations currently available in CUH: 1. Zoledronic acid 5mg/100mL solution for infusion (for 5mg dose only) 2. Zoledronic Acid 4mg/5mL concentrate for solution for infusion (for 4mg dose or lower)									
Reconstitution	Already in solution 1. Zoledronic acid 5mg/100mL (Seacross) vial ready for infusion 2. Zoledronic Acid (Mylan & Teva) 4mg/5mL vials must be diluted further prior to administration									
Compatibility & Stability	Sodium chloride 0.9% Glucose 5%									
Administration	Patients must be well hydrated prior to and following administration.									
	5mg/100mL (Seacross) solution for infusion (IV Infusion) Give dose over at least 15 mins Post hip fracture give over at least 20 minutes, over at least 30 minutes if CrCL < 50mL/min									
	Zoledronic Acid 4mg/5mL concentrate (IV Infusion) Dilute required dose with 100mL compatible fluid Give over at least 15 minutes.									
	<table border="1"> <thead> <tr> <th>Dose</th><th>Volume of Concentrate</th></tr> </thead> <tbody> <tr> <td>4mg</td><td>5mL</td></tr> <tr> <td>3.5mg</td><td>4.4mL</td></tr> <tr> <td>3.3mg</td><td>4.1mL</td></tr> <tr> <td>3mg</td><td>3.8mL</td></tr> </tbody> </table>	Dose	Volume of Concentrate	4mg	5mL	3.5mg	4.4mL	3.3mg	4.1mL	3mg
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Monitoring	• Monitor serum electrolytes, calcium, phosphate and magnesium. • Monitor renal function.									
Adverse effects	The following are the important identified risks with zoledronic acid in the approved indications: • Renal function impairment, osteonecrosis of the jaw, acute phase reaction, hypocalcaemia, atrial fibrillation, anaphylaxis, interstitial lung disease. • In patients with a recent low-trauma hip fracture, it is recommended to give the zoledronic acid infusion at least two weeks after hip fracture repair. In patients with a recent low-trauma hip fracture, a loading dose of 50 000 to 125 000 IU of vitamin D given orally or via the intramuscular route is recommended prior to the first zoledronic acid infusion • Adequate calcium and vitamin D intake are recommended in association with zoledronic acid administration.									

Information provided relates to Zoledronic Acid (Mylan,Teva * Seacross)

Last updated 14/8/26

This information has been summarised to act as a guide for those administering IV medication. The monograph should be used in conjunction with the drug data sheet and BNF for information on dose, adverse effects, cautions and contra-indications. Further information is available from Pharmacy on 22146 or 22542