

Management of Tumour Induced Hypercalcaemia

Hydrate for 12-24 hours

If still hypercaemic administer **Disodium Pamidronate IV** in 500ml of NaCl 0.9% at a rate of 1mg/min. Dose according to corrected serum calcium levels.

Calcium Level (mmol/l)	Recommended total dose (mg)
Up to 3.0	15-30
3.0-3.5	30-60
3.5-4.0	60-90
> 4.0	90

Ensure GFR > 40ml/min

Re-check U+E's and corrected calcium levels daily

In refractory patients where calcium level continues to rise or has not returned to the reference range within 5 days administer

Zoledronic Acid IV 4mg in NaCl 0.9% 100ml over 15 minutes

Ensure Serum Creatinine < 400umol/l

or

Ibandronic Acid IV in NaCl 0.9% or Glucose 5% 500ml over 2 hours.

Calcium Level (mmol/l)	Recommended total dose (mg)
Up to 3.0	2
> 3.0	4

Ensure GFR > 30ml/min