

Cisplatin Hydration Schedules

Cisplatin dose mg/m ²	Pre-hydration	Cisplatin	Post-hydration	Total fluid volume
≥61	Sodium chloride 0.9% 1000ml with KCl 20mmol and MgSO ₄ 8mmol IVI over 2 hours	Cisplatin in sodium chloride 0.9% 1000ml IVI over 2 hours	Sodium chloride 0.9% 1000ml with KCl 20mmol and MgSO ₄ 8mmol IVI over 2 hours	3000ml
41-60	Sodium chloride 0.9% 500ml IVI over 30 minutes	Cisplatin in sodium chloride 0.9% 1000ml IVI over 2 hours	Sodium chloride 0.9% 1000ml with KCl 20mmol and MgSO ₄ 8mmol IVI over 2 hours	2500ml
≤40	Sodium chloride 0.9% 500ml IVI over 30 minutes	Cisplatin in sodium chloride 0.9% 1000ml IVI over 1 hour	Patient required to drink 500ml before discharge	2000ml

NB If another drug in a sufficient diluent volume is being given in the regimen eg Etoposide then this may be used as pre-hydration (ie Etoposide in 1000ml Sodium Chloride 0.9%).

Monitoring during chemotherapy

1. Monitor urine output at regular intervals throughout chemotherapy.
2. At the end of IV fluids, weigh the patient and review fluid input and output.
3. Re-weigh the patient – if they have gained >2kg or clinically appear fluid overloaded, they should be prescribed furosemide 40mg orally. If the furosemide is administered before discharge then monitor urine output for 30 minutes.
Furosemide usage may be appropriate in patients predisposed to cardiac failure from hydration. If there are any concerns then discuss with medical team prior to discharging the patient.

REFERENCES

Wales University Health Board hydration protocol for cisplatin chemotherapy