

Medication safety on the road

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Grampians Health at Home

Question 1 – Who remembers having to go to the teller to get money out?



Question 2 – Name the movie?



HE'S GOT THE PLAN



THE
ITALIAN JOB
STEAL THE DAY MAY 30

WWW.ITALIANJOBMOVIE.COM



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If I wanted to get \$20,000, which is the easiest option?

If I had the money in my account..... And I needed to get it home?



Internet Banking doesn't exist yet, so hopefully the majority chose the bank teller

But things change.....



Eculizumab

- Eculizumab is a humanized immunoglobulin G2 monoclonal antibody against complement C5 (immune system)
- Cost: Approx \$20,000 per dose (1200mg) on PBS
- Must be refrigerated from manufacturing to administration
- No spare vials in the hospital



Medication administration – old school

- Patient booked in a ward for a certain time and arrives on time
- Medication dropped off by pharmacist to ward fridge
- Once patient arrives medication mixed and walked 35 steps on our ward to patient and administered



But things change.....

Acute nursing care is moving into the homes

Things to consider:

- IV Cannulation
- Where to make up medication
- How to keep it cold
- 20 minutes to patients' home



GH at Home Paediatric Planning

IV Cannulation + Medication preparation

- GH at Home Paediatric Medical staff to cannulate patient
 - This takes time, so cannot have medication waiting
- It was determined the safest place to prepare medication was in medication room in the hospital as eculizumab is considered a potentially hazardous medication and special handling precautions are required during preparation and administration to minimise occupational exposure
 - Staff aware of medication
 - Equipment on ward – Infusion lines, PPE
 - Large space
 - Staff aware of equipment and priming of line – roof hook



GH at Home Paediatric Planning

How to keep it cold



- Delivered to ward medication fridge the day before infusion to ensure it was there
- Organise with admin to book a car with a fridge as esky isn't appropriate – 5 cars in entire fleet that have fridges
- Once made, medication placed in Esky and taken to car fridge
- Once arrive to patients' home, medication placed back in esky and taken inside when ready for administration
- Pre-chilling the car fridge on hot days

Medication administration – New school

Putting it all together

- Nurse starts in the office to ensure car booked, esky available and collects it
- Goes to ward and prepares medication
- Medication in esky and taken to car with fridge
- Arrives at patients' home, medication remains in car fridge until patient cannulated and ready for administration



GH at Home Paediatric Program

Bringing it back to the family

- 17 years (18 this month) with Atypical Haemolytic Uraemic syndrome (aHUS)
 - Been having medication for 2 years
 - Family very positive of experience
 - Patient able to relax on couch for infusion
 - Patient completing year 12, so planning to study while infusion happening
 - Mother not requiring to drive patient to hospital, wait for 3 hours minimum, time back in mother day
 - Sibling not having to be sent somewhere during trip to hospital
 - Patient reports feeling more relaxed and less tired during and after infusions
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Medication Safety on the road

- Many medications require consideration when administering in the home
- Room temperature means 20-25 degrees Celsius – cars can get very hot
- Time for travelling – including traffic and roadworks
- Not all medications are \$20,000 – patient now on ravuflizumab - \$65,000 per dose
- Its all about medication stability – ensuring the patient is receiving medication in its safest form



Thank you