

## Case Study

An 89 year-old male aged care resident was referred for a residential medication management review (RMMR) due to concern over a heightened response to Toujeo®

## Presenting Issue

Since switching from Lantus® to Toujeo® nursing staff reported greater than expected drops in blood glucose levels (BGLs) leading to hypoglycaemia

## What is contributing to the low BGLs?

- ✗ Change in diet
- ✗ Increased insulin dose
- ✗ Drug-disease interactions
- ✗ Drug-drug interactions
- ✓ Change in formulation
- ✓ Same administration

**Always check administration practices;  
Even experienced nurses may get it wrong**

## Pharmacist Findings

Lantus® (insulin glargine 100 units/mL) administered with 100 units/mL syringes  
Prescribed dose 42 units  
Actual patient dose = 42 units



Toujeo® (insulin glargine 300 units/mL) administered with 100 units/mL syringes  
Prescribed dose 42 units  
Actual patient dose = 126 units



Patients BGLs drop from an average of 15-20 mmol/L to as low as 3.5 mmol/L



Pharmacist provided staff education on correct administration of Toujeo® and contacted the prescriber to discuss ongoing diabetes management

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