INTEGRATED ENDOCRINOLOGY AND METABOLISM

PUMP TROUBLESHOOTING AND PEN PLAN

Patient name

Today's date

Pump Model

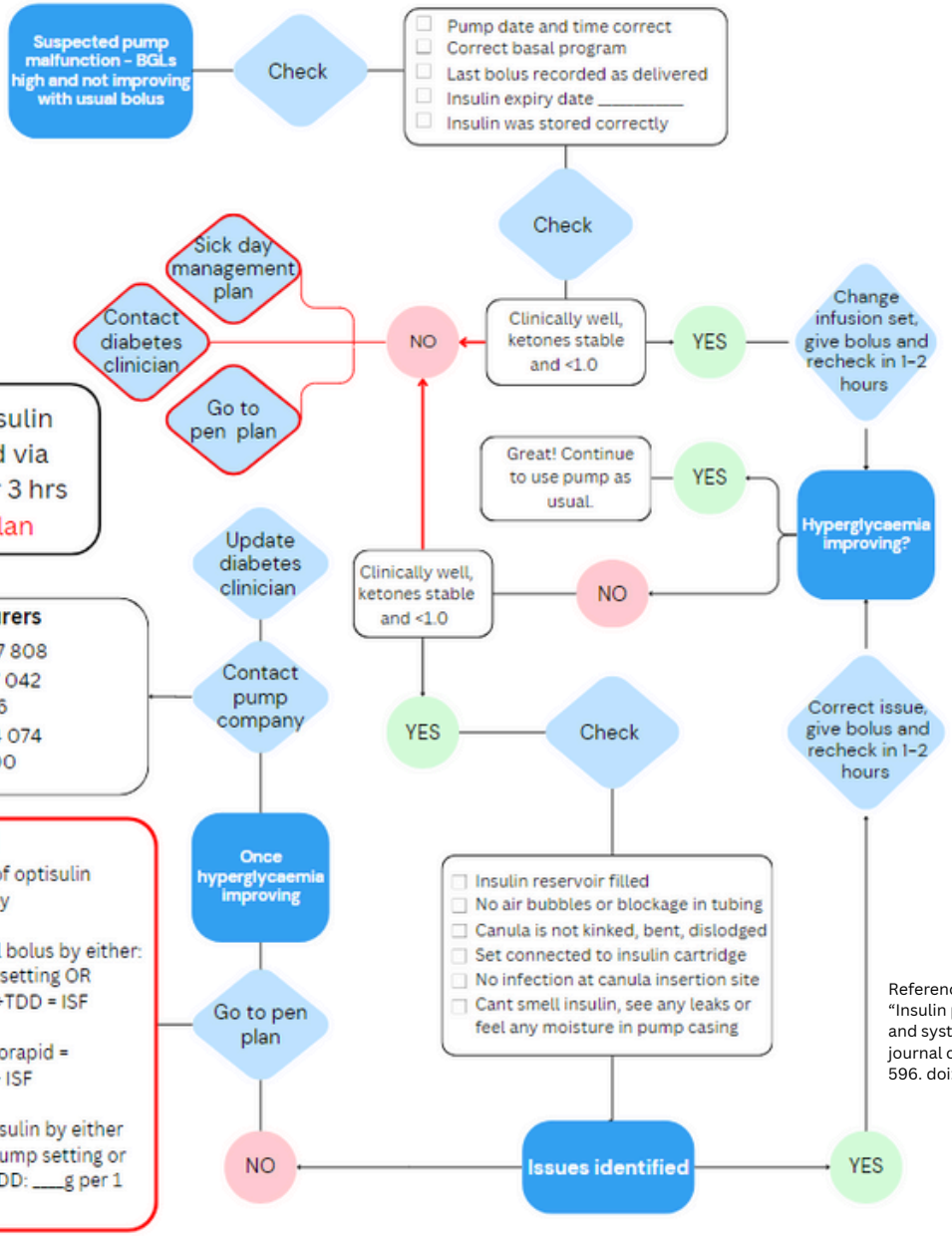
Date of plan review

Total daily dose insulin (TDD)

Date of last pump upgrade

DO YOU HAVE:

- ☐ Optisulin pen
- ☐ Novorapid pen
- ☐ Spare script for above
- ☐ Pen needles
- ☐ Ketone strips



If no basal insulin administered via pump for over 3 hrs go to pen plan

Pump Manufacturers

Medtronic: 1800 777 808
Ypsomed: 1800 447 042
AMSL: 1300 851 056
Omnipod: 1800 954 074
Roche: 02 9860 2100

PEN PLAN

1. Administer basal dose of optisulin = TDD÷2 = ____u once daily

2. Administer correctional bolus by either:
   - Taking ISF from pump setting OR
   - Calculating from 100÷TDD = ISF

Correctional bolus of novorapid = (Current BGL - 7mmol/L) ÷ ISF

3. Determine meal time insulin by either
   - Take carb ratio from pump setting or
   - Calculate from 500÷TDD: ___g per 1 unit novorapid

References: Chakrabarti, Anindita et al. "Insulin pump troubleshooting: a case vignette and systematic approach." The Medical journal of Australia vol. 216,11 (2022): 595-596. doi:10.5694/mja2.51559

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