

Hybrid Closed Loop and Pregnancy Workshop

Cathy Jones, Diabetes Specialist Midwife (Technology)



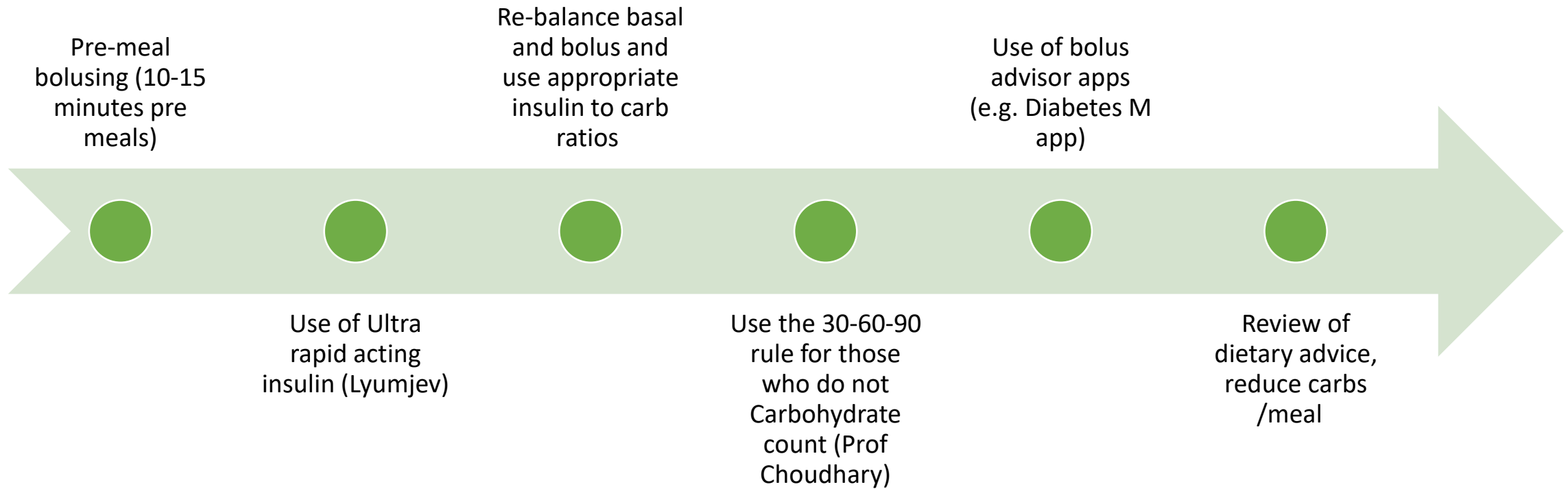
Process

Attend Pregnancy Clinic	Acceptance of HCL	Follow up
<p>Offer HCL (CamAPS FX only)</p> <p>Offer switch to those on other systems</p> <p>Provide written information via email/print out.</p> <p>Commence 5mg Folic acid once daily if not on already</p>	<p>Set up HCL within 2-6 weeks of acceptance in group session (1-1 where required)</p> <p>If person declines CamAPS FX, advise all other HCL systems presently not licensed for pregnancy. Discuss with Diabetes & Pregnancy lead if suboptimal control on multiple daily injections</p>	<p>2 follow up appointments within 1st 6 weeks from HCL start (Face to face or virtual)</p> <p>Point of contact Mon-Fri</p> <p>Continue to remain under Pregnancy team. Review with DSM/ DSN 2-3 weeks postnatal and Review with Prof Meek/ Dr Morrison around 12 weeks postnatal</p>

NOTE:

If a person is opting to remain on a system that is used outside of license for pregnancy despite a documented conversation with a Diabetes Consultant, discuss with patient need to revert to CSII.

Whilst awaiting HCL start...



HCL Onboarding

ASAP in pregnancy

Non-carb counters-
set carbs with
dietitian prior to
HCL start

Digital packs
available

Groups/ 1-1

Point of contact

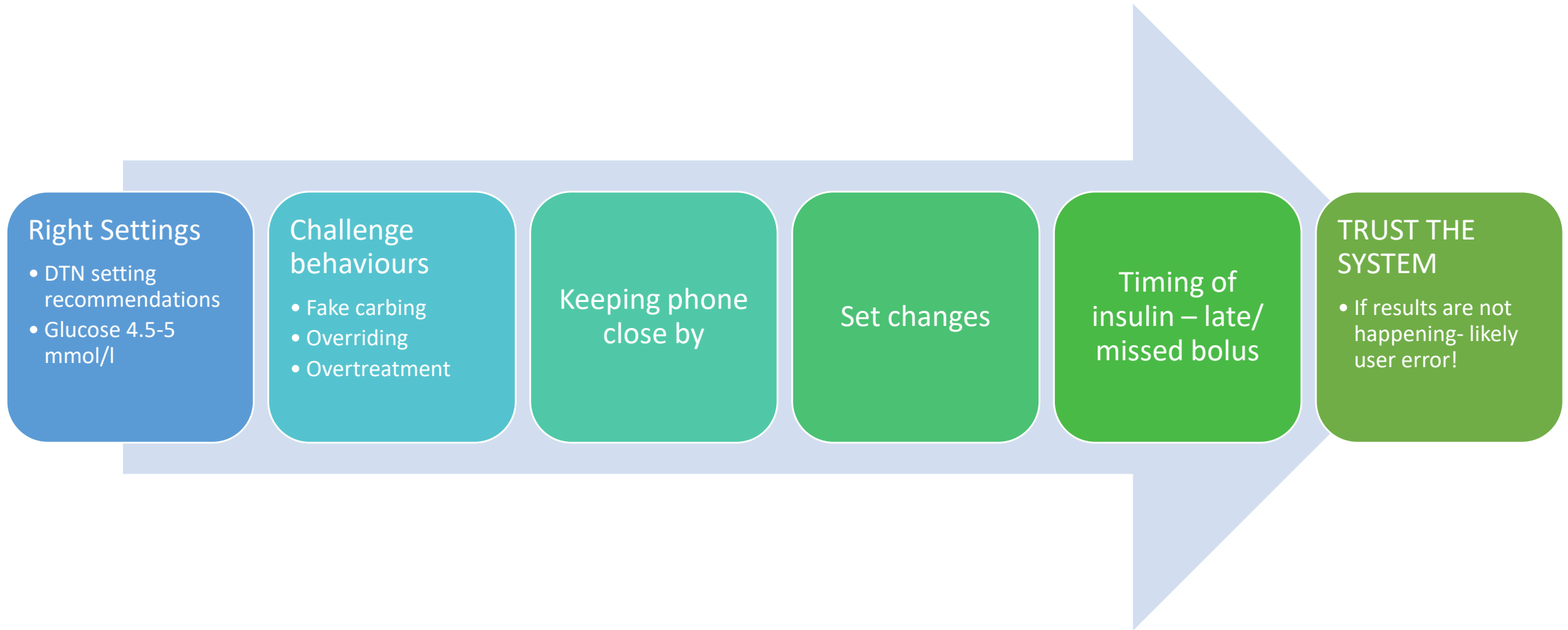
Time in Pregnancy
range
improvements
seen within days

Trust the system!

Tips for success (by trimester)

Trimester 1	Trimester 2	Trimester 3	Postnatal
<ul style="list-style-type: none"> ▪ Nausea & Vomiting common ▪ Hypos common ▪ Use of Slowly absorbed meal function /50:50 split ▪ Sick day rules ▪ Personal Glucose Target \leq 5.5 mmol/l* ▪ INSULIN SENSITIVE ▪ Site rotation important at all times! 	<ul style="list-style-type: none"> ▪ Rapidly increasing INSULIN RESISTANCE- <u>Tighten ICR</u> ▪ Weight (KG) ▪ Pre-meal bolusing ▪ Use of BOOST post meal if required ▪ Tighter AIT (3 hours typical for ultra rapid acting) ▪ Personal Glucose target \leq 5mmol/l* 		<ul style="list-style-type: none"> ▪ Weight (set to booking weight or postnatal weight if weighed in KG) ▪ Personal Glucose target >6 mmol/l ▪ Use of Ease Off function (particularly with breastfeeding) ▪ Targets- change to 3.9-10 mmol/l ▪ Just as important as pregnancy with hormone fluctuations and adapting to motherhood ▪ INSULIN SENSITIVE

Key points for Success



Labour & Delivery

- Continue on HCL (current settings & utilise birthing partner)
- Site Selection- Back / Upper abdomen
- Sensor on arm
- Use of Ease off / Boost as required
- UHL use 5-8mmol/l for glucose target in labour
- HCL Passport with clear plan





Leicester Diabetes Centre