Empowering T2D management: The evolution of basal insulin therapy



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Discussion 1

Understanding clinical inertia in T2D: A multidisciplinary approach

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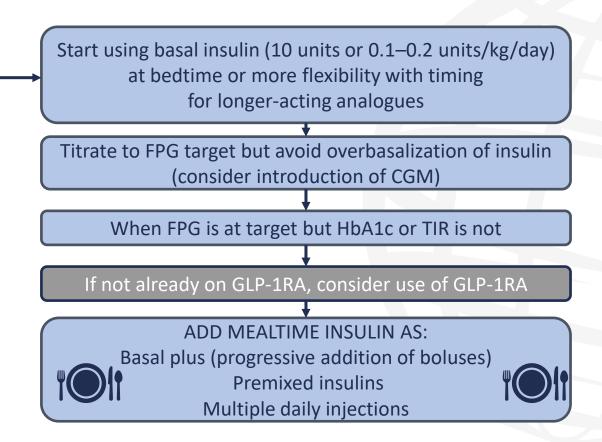




When to add insulin in type 2 diabetes

Initiate insulin when:1,2

- The patient is experiencing severe hyperglycaemia
- The patient is not at HbA1c target despite maximal non-insulin therapy
- The patient is experiencing acute glycaemic dysregulation
- T1D is suspected









. Overcoming patient-related barriers to insulin initiation



What questions do you have about insulin?
What frightens you most about diabetes?
How does diabetes affect your day-to-day activities and family?
How do you feel about going on insulin?
What have you heard from other people who use insulin?
Are there any religious beliefs or spiritual values, traditions, or customs that are important to you and may help us work together?
What do you think are the benefits/disadvantages of using insulin?
How do you think insulin might affect your health and lifestyle?
What is your main concern about insulin?



Discussion 2

Evolving options for insulin therapy

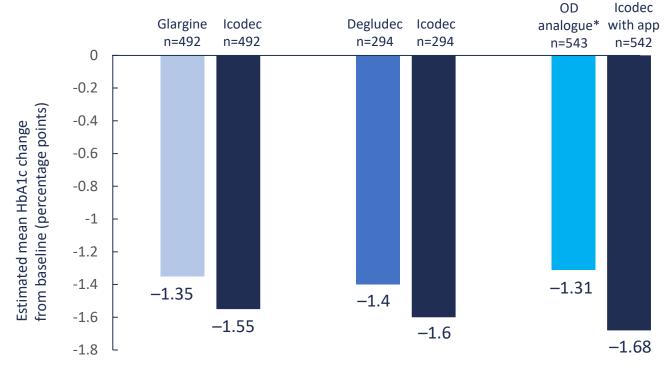


Prof Tina Vilsbøll Endocrinologist





*Weekly insulin icodec: Efficacy and safety



ONWARDS 11

Estimated between-group difference confirmed the noninferiority (p<0.001) and superiority (p=0.02) of icodec

ONWARDS 3²

Estimated between-group difference confirmed the noninferiority (p<0.001) and superiority (p=0.002) of icodec

ONWARDS 5³

Estimated between-group difference confirmed the noninferiority (p<0.001) and superiority (p=0.009) of icodec

Hypoglycemia episodes: Events per patient-year

ONWARDS 11

Glargine	Icodec
0.16	0.30

ONWARDS 3²

Degludec	Icodec
0.15	0.31

ONWARDS 5³

OD analogue*	Icodec with app
0.14	0.19

^{*}once-daily basal insulin analogue (insulin degludec, insulin glargine U100, or insulin glargine U300). OD, once-daily.





Best practices for initiating weekly insulin

 HbA1c remains above target despite dual/triple therapy When to initiate Already on GLP-1RA, GLP-1RA is not appropriate, or insulin is preferred HbA1c ≥11% (97 mmol/mol), symptoms of catabolism, T1D is a possibility "Fix the fasting first" approach Setting FPG targets should be individualized treatment goals To reach HbA1c of ≤7% (53 mmol/mol), FPG should be maintained at <130 mg/dL (7.2 mmol/L) Choose a simple patient-directed titration algorithm Initial dose Start with an initial dose of 10 IU/day (or 0.2 U/kg/day) and titration Increase dose by 1U/day until target FPG is reached **Monitor FPG** Monitoring If HbA1c levels are not properly controlled and FPG values are within range, PPG monitoring may be needed Basal insulin is added to pre-existing therapies Combination May offer advantages, e.g. limiting weight gain, lowering insulin dose, CVD benefits therapy Choice of combination therapy should be individualized based on patient characteristics Patients at risk of hypoglycaemia should be identified and modifiable risk factors adjusted Hypoglycaemia Less stringent glycaemic goals, additional monitoring or education may be needed After a hypoglycaemic event, identify the cause to prevent future events If 2-hour PPG is >180 mg/dl (10.0 mmol/L), treatment intensification may be required When basal insulin Options include addition of a prandial insulin injection ("basal plus"), addition of SGLT2 is not enough inhibitor, addition of GLP-1RA, switching to a premixed insulin



Discussion 3

Implementing continuous glucose monitoring in T2D: Why and how?





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Overview of CGM

Limitations Benefits Learning curve for use Potential for improved glycaemic control Cost of device; coverage Insight into glucose patterns Ongoing sensor wear TIR, TBR, TAR - easy to visualize Data overload No finger sticks Alarm fatigue Safety with alarms Reduction in hypoglycaemia



. CGM-based target for T2D

