

Briefing Paper for Surrey Heartlands Integrated Care System Area Prescribing Committee

Insulin Pumps for adults & children with type I diabetes

Situation

The following pumps are being requested locally by specialist teams and are cost comparable or less costly than insulin pumps that already routinely available for use by our NHS Surrey Heartlands patients. All of these insulin pumps are available through the NHS Suppliers framework and NHS Surrey Heartlands will be able to benefit from the discounts available if local trusts sign up

The Insulin pumps being requested are

1. Dana I (Advanced Therapeutics (UK) Ltd) – replaces Dana RS insulin pump (upgrade)
2. GlucoMen® Day Insulin Patch Pump (A. Menarini Diagnostics)
3. A8 TouchCare Nano (Medtrum Ltd)

The APC are being asked to consider

1. The insulin pumps above should be added to the list (below) of insulin pumps, available for use by NHS Surrey Heartlands patients?

Background

In February 2019 the APC agreed the following in relation to insulin pump availability

*'An insulin pump will be routinely commissioned if the insulin pump is cost comparable to other commissioned insulin pumps. For governance purposes APC should be presented with a briefing paper. The paper should include confirmation of associated costs of the pump & the consumables. These insulin pumps will be routinely commissioned **after** the briefing paper has been presented to APC'.*

The following insulin pumps are already routinely funded

- Medtronic 780g insulin Pump (Medtronic)
- T-Slim insulin Pump (Air Liquide Healthcare Ltd)
- Ypsopump insulin pump (Ypsomed Ltd)
- Omnipod DASH patch pump (Insulet International Ltd)

Proposal to remove from list of routinely funded insulin pumps.

- Dana RS insulin pump (Advanced Therapeutics Ltd) – Upgraded to Dana I
- Medtronic 670g Insulin Pump (Medtronic) – Has been discontinued and patients using this pump will continue to receive consumables.

Patients with Type 1 diabetes can access the above insulin pumps if they meet NICE guidance (TA151 – July 2008)

Assessment

- The Dana I insulin pump is an upgrade of the Dana RS pump.
- The GlucoMen Day patch pump
- A8 TouchCare Nano (Medtrum Ltd) is another patch pump

Financial implications/risks

The following pumps are all cost comparable to the other insulin pumps that are already routinely available for use by Surrey Heartlands patients.

DANA I (Advanced Therapeutics (UK) Ltd) – replaces DANA RS insulin pump (upgrade)

- The Dana-I costs £180 more than the Dana-RS although after one year this additional cost levels out due to the different batteries required by the Dana-I. The Dana-I uses regular AAA alkaline batteries, available from the company.
- Over the 4-year lifetime of the warranty the Dana-I will cost approximately £650 less than the Dana-RS due to the different battery costs.

Both pumps use the same consumables.

GlucoMen® Day Insulin Patch Pump (A. Menarini Diagnostics)

- Patch pump (tubeless).
- Patients can manage insulin delivery using a compatible smart phone (Android or IOS) or by using an Advanced Diabetes Manager (ADM)

A8 TouchCare® Nano (Medtrum Ltd)

- Patch Pump (tubeless)
- Patients can manage insulin delivery using a compatible smart phone or by using a Personal Diabetes Manager (PDM)

NICE in development:

Hybrid closed loop systems for managing blood glucose levels in type 1 diabetes

NICE Technology Appraisal guidance is in development. Hybrid closed loop systems use a combination of real-time glucose monitoring from a continuous glucose monitoring device and a control algorithm to direct insulin delivery through an insulin pump.

The Appraisal Consultation Document (ACD) states that:

- Hybrid closed loops systems are only recommended if the companies and NHS England agree a cost-effective price for the systems on behalf of the relevant health bodies.

It is likely that the insulin pump manufacturers will be in discussion to agree discounts with NHS England before the NICE guidance above will be published, which will encourage more competitive pricing.

The scope (March 2022) of the NICE guidance, currently includes the closed loop systems Medtronic 780g, T: Slim and Dana I. No date for publication has been provided.

Summary

- These insulin pumps are competitive in cost to the other insulin pumps already routinely available for Surrey Heartlands patients and the APC are asked to recommend that these pumps are added to the list of available insulin pumps.
- Noting that In February 2019 the APC agreed that an insulin pump will be routinely commissioned if the insulin pump is cost comparable to other commissioned insulin pumps.
- More competitive pricing expected given the expected publication of NICE Technology Appraisal Guidance (date of publication to be confirmed)

Future discussion with NHS Supplies outside of APC

- The insulin pumps are all included in the NHS Supplies Insulin Pump and Continuous Glucose Monitoring (CGM) and associated consumables framework.
- By accessing the national framework the local trusts will have access to nationally negotiated discounts on these insulin pumps and consumables
- I am working with NHS Supply chain colleagues to request that local trusts sign up to the NHS Supplies framework so any discounts and associated savings can be realised.

Recommendations

APC is asked to:

Consider routine funding of the insulin pumps requested where NICE guidance is met.

- DANA I (Advanced Therapeutics (UK) Ltd)
- GlucoMen® Day Insulin Patch Pump (A. Menarini Diagnostics)
- A8 TouchCare Nano (Medtrum Ltd)

Remove the following insulin pumps from the routinely funded insulin pumps

- Dana RS insulin pump (Advanced Therapeutics Ltd)
- Medtronic 670g Insulin Pump (Medtronic)