

Innovation Brief

Orthotics, Podiatry and Immobilisation Framework - GaitSmart - Analysis Device and Testing

Summary

Disruptive Innovation

GaitSmart Analysis Programme is a new disruptive innovation newly available via NHS Supply Chain: Reviewed by clinical specialists and supported by key stakeholders, this device offers a novel approach for Falls Prevention Programmes. It comprises of multiple sensors that are applied to the patient's lower limb for the assessment and the testing service which analyses the data and produces a customised exercise plan.

Introduction

This document is intended to inform clinical stakeholders and procurement teams about innovative products that have undergone a clinical review and are now accessible through NHS Supply Chain.

Products featured in this brief may be classified as:

- Transformative Innovations
 - An existing technology that is applied the first time or applied in a novel way. An example would be an existing device being applied to a new speciality.
- Disruptive Innovations
 - A disruptive innovation is novel.
 - It should offer improvements compared to the existing provision of care.
 - The proposed format should not exist elsewhere (either within or beyond the health and care sector).

Note: While robust evidence or validated savings may not yet be available, early data and clinical insights support the potential for patient and system-level improvements.

Departments / stakeholders for engagement

- NHS procurement teams
- Primary care
- Falls prevention services
- Physiotherapy teams
- Occupational therapy teams

Opportunity

GaitSmart presents an opportunity to enhance falls prevention services:

- Personalised mobility report.
- Personalised exercise plan targeting areas of weakness.
- Empirical data to monitor performance improvement.
- Enabling early intervention by non-professional healthcare workers.
- Alternative option for community partners.

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Product overview

The GaitSmart system comprises of:

- The initial assessment with personalised exercise plan.
- 3 week follow up and 2nd assessment and exercise adjustment.
- 6 week follow up and 3rd assessment with final exercise plan / discharge depending on patient progress.

Clinical Relevance

- No prior knowledge required.
- 2-hour training to implement.

Additional Benefits

- Can be used by non-professional healthcare workers.
- Community-based treatment.

Supply details

Please consult with the supplier to determine test requirements. The GaitSmart device is purchased in 2 parts 1) the system 2) the number of required test bundles, these bundles are flexible and can be increased/decreased as required.

Description	Gait Analysis Device	Test Service
NPC	ERP85157	ZWC85000
MPC	GaitSmart2	MU0069
Route	eDirect	eDirect
UOI	Each	Bundle of 50 Tests

Supplier - Dynamic Metrics; Brand - GaitSmart

Supporting evidence / notes

GaitSmart was submitted to the NHS Innovation Service. NICE have reviewed the product and recommended it's use in falls prevention whilst additional evidence and case studies are undertaken.

"The cost analysis shows that GaitSmart is potentially cost saving compared with standard care to treat gait and mobility issues in people at risk of falls. Comparator costs for standard care are variable. But GaitSmart is likely to be cost saving if its cost is similar that of standard care."

NICE - MTG78

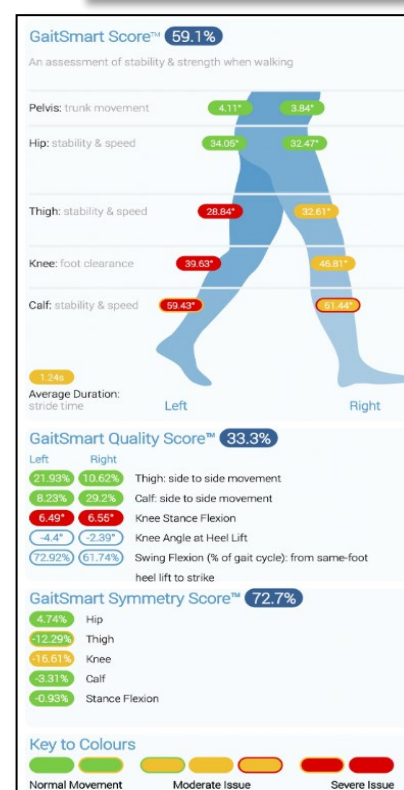
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Your Exercises

1. Knee Drive Left
2. Single Leg Balance Right
3. Quad Extension Left
4. Lunge Left
5. Abduction Left
6. Calf Stretch Right