



Product overview

DySIS is the first medical device to use Dynamic Spectral Imaging technology to support clinicians in the detection and mapping of cervical neoplasia *in vivo*. DySIS delivers the new standard of care in colposcopy.

DySIS

Until now, all colposcopes have been designed the same way, allowing the clinician to simply view the cervix and manually assess aceto-whitening. Conventional colposcopy is difficult and subjective. Solving these problems required much more than an incremental change. It required a radical breakthrough in understanding the bio-chemical interactions on the cervix and an innovative approach.

DySIS employs a unique approach called Dynamic Spectral Imaging to assist clinicians assess the cervix. The combination of clinical expertise and the quantified results from DySIS create a dramatic breakthrough in the sensitivity of colposcopy providing confidence and reassurance in patient examinations.





Science

How it works

DySIS measures the aceto-whitening phenomenon. It differs from traditional colposcopes by measuring aceto-whitening automatically, producing a clear map which guides the clinician to diagnosis, biopsy and treatment if needed.

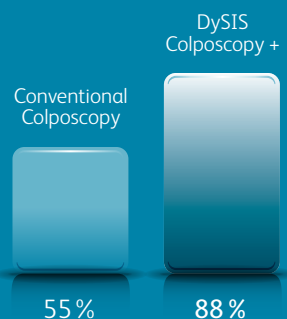


The clinical evidence

DySIS has been tested in a large multi centre clinical study¹. 275 women were enrolled into a prospective, comparative paired, clinical trial to compare the performance of DySIS to conventional colposcopy in discriminating high-grade from non high-grade cervical neoplasia.

The clinical study showed the sensitivity of traditional colposcopy to correctly assess women with high-grade neoplasia was 55%. The study also showed that when conventional colposcopic assessment of high-grade patients was combined with the DySISmap the sensitivity reached 88%.

¹ Dynamic Spectral Imaging Colposcopy: Higher sensitivity for detection of premalignant cervical lesions – Louwers et al – British Journal of Obstetrics and Gynaecology, 2011



The logo for DySIS, featuring the text "DySIS" in white on a dark, rounded rectangular background.

DySIS enables you to deliver a new standard of care for your colposcopy patients.

Features & Benefits

DySIS delivers:

- Dynamic Spectral Imaging
- Higher sensitivity of Cervical Intraepithelial Neoplasia (CIN) detection and assessment
- *In vivo* quantified assessment of cervix
- HD digital imaging & video with intuitive touch screen user interface

Patient database:

- Enables longitudinal tracking
- Information management/organisation

DySISmap:

- Accurate mapped summary of aceto-whitening effect

DySISviewer – software to allow patient examinations to be exported from DySIS and viewed on a PC:

- Office/remote patient review and assessment
- Flexibility for the clinician and multi disciplinary team to review patients anywhere



Ergonomic design for ease of examination, biopsy and treatment.

Superior optics for image magnification and glare elimination + LED illumination for prolonged life.



Touch screen operation and data review using optimally placed high definition monitor for improved ergonomics and clinical workflow.

Advanced database for data storage, examination review and follow-up.



DySISmap™ for improved sensitivity and diagnosis.





DySIS Medical Ltd
Alba Innovation Centre
Livingston
EH54 7GA
UK

T: +44 (0) 1506 592 159
E: info@dysismedical.com
W: www.dysismedical.com

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Tel +44 (0)131 220 7990 www.emperordesign.co.uk