SMALL DESIGN SMART INNOVATION

The new DYSIS Touch and DYSIS Ultra

DYSIS
Reassuring Innovation
Changing the Face of Colposcopy

Significant improvements have changed the cervical cancer screening pathway over the last 20 years, resulting in high screening sensitivity.

**1988**
Introduction of National Cervical Screening*

**2003**
Introduction of Liquid Based Cytology*

**2008**
Introduction of HPV Vaccination Programme*

**2011**
Introduction of HPV Triage & Test of Cure Protocol*

*In England

Colposcopy hasn't really changed in decades. Management decisions in colposcopy remain complex:

- The procedure isn't standardised
- Colposcopy assessments are subjective
- Documentation and image capture are poor
- Monitoring and comparing cervical changes from visit to visit is difficult and lacks accuracy

**2012**
DYSIS Colposcope commercially available in the UK and USA

**2016**
DYSIS Ultra has arrived. Next generation DYSIS Colposcopy

Colposcopy has changed

NEW DYSIS Ultra Colposcopy

With cervical mapping for precision assessment, biopsy and treatment

NEW Compact Design
that makes a big difference in colposcopy

Precision
in biopsy, treatment and patient management

- Reduced risk of missing high grade disease**
- Reduced risk of unnecessary treatment
- Added reassurance in discharge, biopsy and treatment decisions

Documentation
SMARTtrack – The superior DYSIS documentation system

- Effectively monitor cervical changes over time
- Dynamic playback for post-examination and MDT review
- Improved patient management options

Reassurance
for you and your patient

- Increased patient understanding
- Increased patient compliance
- Reduced patient anxiety**

**Published studies at dysismedical.com/clinical-evidence**
NEW DYSIS Ultra Colposcope

Smart Innovation

A new, compact design incorporating the familiarity of traditional colposcopy with the benefit of smart technology

**Optical Head**
- Best in class ergonomics and intuitive design
- Compact design for straightforward biopsy and treatment
- Superior image quality and resolution
- White light LED lighting delivering superior contrast for more precise assessment
- Polarisation control for enhanced 3D effect
- Wider, whole field of view to aid accurate assessment
- Self-stabilising, balanced arm for simple, one touch positioning
- Automated acetic acid delivery system

**Patient / Teaching Screen**
- 10" HD tablet design for superior viewing quality
- Adjustable positioning for patient comfort
- Excellent for teaching trainee colposcopists
- Full clinician control of patient screen

**Clinician Touch Screen**
- 10" HD tablet design for superior viewing and examination quality
- Pinch zoom
- Intuitive DYSIS software and user interface
- Adjustable screen placement for clinician preference and comfort
- Optimised screen positioning for ease in biopsy and treatment
- Green filter and high-contrast filter for observation of blood vessels
- Self-stabilising, balanced arm for simple, one touch positioning

**On-board Computer**
- HL7 and DICOM compatible
- Supports industry standard EMR connection
- Full colposcopy database
- WiFi compatible

**Future Upgrade**
The results of a UK colposcopy patient experience survey* of 600 patients showed:

Patients found the DYSISmap intuitive and easy to understand

Patient anxiety was reduced

Patients preferred DYSIS Colposcopy when compared to traditional methods and would recommend it

*These are testimonials from patients who completed the Patient Experience Survey.

Patients prefer DYSIS*

The national cervical screening programme relies on patient compliance

Patients referred for colposcopy are often anxious and many have a limited understanding of their condition and the procedure itself.

- The patient doesn’t see what the clinician sees
- There is often a lack of compliance with follow-up

What patients say:

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What Clinicians say:

“After combining the DYSISmap into our colposcopic practice, the detection rate of CIN2+ has increased by almost 20% in our centre”

“DYSIS is the colposcope of choice in our department in improving outcomes and providing greater reassurance for both patients and colposcopists”

“DYSIS allows increased confidence to discharge women to 3 yearly recall after a low grade smear and positive high risk HPV result”

“I felt 100% confident about my results”

“I was very nervous when I went in, but found the examination and the Map very reassuring”

“This should be offered to all women requiring colposcopy”

For more information about independent reviews, clinical research data and customer opinions visit www.dysismedical.com/clinical-evidence


Colposcopy skills assessment by image review illustrated that using the DYSISmap helps create a baseline standard in colposcopic performance

63 colposcopists classified 50 cases as Normal, Low-Grade, High-Grade or Cancer

Accuracy of Low Experience Colposcopists

DYSIS 24.4%

Conventional 20.4%

Accuracy of High Experience Colposcopists

DYSIS 26.5%

Conventional 24.8%

5. Zaal et al, BJOG 2012

DYSIS was effective in detecting the patients with CIN2+ lesions among those found infected with HPV16

3 clinics, 42 patients

Sensitivity

DYSIS 97%

Conventional 51%

Specificity

DYSIS 100%

Conventional 90%

6. Coronado et al, EJOG 2016

The combination of colposcopy with DYSIS mapping in routine practice improves detection of cervical lesions significantly

1 clinic, 443 patients

Sensitivity

DYSIS 87.8%

Conventional 77.2%

Specificity

DYSIS 85.6%

Conventional 92.2%


DYSISmap was compared to conventional colposcopy and was found superior in sensitivity

3 clinics, 308 patients

Sensitivity to predict CIN2+

DYSIS 79%

Conventional 49%

3 clinics, 183 patients

Sensitivity to predict CIN2+

DYSIS 88%

Conventional 50%

2. Louwers et al, BJOG 2011

The integration of the DYSISmap in colposcopy increased the sensitivity to identify CIN2+ patients from 55% to 88%

4 clinics, 183 patients

Sensitivity to predict CIN2+

DYSIS 88%

Conventional 55%

DYSISmap was compared to conventional colposcopy and was found superior in sensitivity

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5. Louwers et al, Gynecol Oncology 2015

Integrating DYSIS mapping into colposcopy leads to a significant improvement in the detection of high-grade lesions, irrespective of patient referral and also when considering HPV triage or HPV primary screening

3 clinics, 166 patients

LG cytology: sensitivity of colposcopy

DYSIS 85%

Conventional 64%

Screening scenarios:

HPV triage on LG cytology: sensitivity of colposcopy

DYSIS 81%

Conventional 53%

HPV primary screening, cytology triage: sensitivity of colposcopy

DYSIS 89%

Conventional 55%


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In 2010 the UK Regulator, NICE (National Institute of Health and Care Excellence) launched an investigation into the clinical efficacy and cost efficiency of various new technologies in the cervical screening category. The review involved an independent analysis of the published clinical trials followed by a detailed review of the health economics. DYSIS was the only technology deemed to be both clinically effective and cost saving. The report, containing the recommendation from NICE, was published in 2012.

In March 2016, NHSCSP published the 3rd edition of Publication no.20, Colposcopy and Programme Management. Publication 20, which advises on the latest advancements in cervical screening, has recognised the DYSIS Colposcope for its clinical and financial benefits.