Transforming Colposcopy

Map. Track. Zoom.

DYSIS
Smart Colposcopy
Why should colposcopy change?

- Colposcopy is subjective and variable, which can lead to missed disease
- More sensitive screening tests detect smaller high-grade lesions
- Numerous studies report improvement in biopsy is needed

Colposcopy hasn’t changed in decades

<table>
<thead>
<tr>
<th>Year</th>
<th>Testing Sensitivity</th>
<th>Note</th>
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</thead>
<tbody>
<tr>
<td>1970-1990</td>
<td>Pap smear</td>
<td>More biopsies can improve sensitivity, but they are costly and painful to patients</td>
</tr>
<tr>
<td>1990</td>
<td>Liquid-based cytology</td>
<td></td>
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<tr>
<td>2000</td>
<td>HPV testing &amp; typing</td>
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Is the current way of documenting good enough?
DYSIS Smart Colposcopy
With cervical mapping for precise assessment, biopsy and treatment

**Precision**
in biopsy, treatment and patient management

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

**Documentation**
SMARTtrack for conservative management of young women

- Effectively monitor cervical changes over time
- Dynamic playback for post-exam review
- High-resolution images and video
- EMR-compatible

**Reassurance**
for you and your patient

- Increased patient understanding
- Increased patient compliance
- Reduced patient anxiety
- Patients and providers prefer DYSIS over conventional colposcopy

**DYSIS Ultra Colposcope**

**Clinician touchscreen tablet**
- Intuitive HD touchscreen
- Clinically proven DYSISmap algorithm
- Biopsy markers document and guide biopsy
- Comprehensive documentation and reports
- Magnification, green and high-contrast filters

**Imaging head**
- Automated acetic acid delivery system
- Collects dynamic high resolution images and video for playback and later review
- Polarization reduces glare and can be turned off during treatment for 3-D effect
- White light LED adjustable brightness

**On-board patient database**
- Automatic image and documentation storage for longitudinal tracking
- Industry standard EMR compatibility
- Expandable storage capacity

**Teaching monitor**
- Adjustable positioning for patient education
- Playback during live viewing for more effective residency education

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Ask about the DYSIS Touch Colposcope  
Smart innovation for small practices
Clinical Evidence

Sensitivity of Conventional and DYSIS Colposcopy to CIN2+

<table>
<thead>
<tr>
<th>Condition</th>
<th>Conventional Colposcopy</th>
<th>Conventional Colposcopy + DYSISmap</th>
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</thead>
<tbody>
<tr>
<td>LSIL ALTS Trial</td>
<td>56%</td>
<td>54%</td>
</tr>
<tr>
<td>ASCUS ALTS Trial</td>
<td>54%</td>
<td>44%</td>
</tr>
<tr>
<td>Low-Grade Referrals</td>
<td>44%</td>
<td>55%</td>
</tr>
<tr>
<td>LG &amp; HG Referrals</td>
<td>55%</td>
<td>88%</td>
</tr>
<tr>
<td>HPV 16+ Referrals</td>
<td>53%</td>
<td>97%</td>
</tr>
</tbody>
</table>

“Impressed by the DYSIS Colposcope. Its ability to help me to select biopsy sites has resulted in me finding an increased number of significant pathologies.”

John Patterson, MD, FACOG
Wheaton Franciscan Healthcare, Racine, WI

U.S. IMPROVE-COLPO Study

DYSIS-guided biopsies increased the number of women detected with CIN2+ (n=194)

- Colposcopic impression: 0%
- CIN2+ before DYSISmap: 5%
- CIN2+ after DYSISmap: +36.8% (p=0.015)

Increased detection of CIN2+ in ASC-US/HPV+ women in DYSIS arm vs. conventional colposcopy arm (n=2536)

- CIN2+ before DYSISmap: 0%
- CIN2+ after DYSISmap: +35.4% (p=0.017)

- Efficiency of biopsy to find CIN2+ (PPV): +42.9% (p=0.013)

“There is no doubt that we are more accurate with the DYSIS colposcope. There have definitely been times that the DYSISmap has helped me to pick up areas of dysplasia that I would not have otherwise biopsied. With the DYSIS Colposcope, not only has our detection rate increased, but the level of education and understanding for our patients has significantly improved.

Andrew Shimer, MD, FACOG
Craig Ranch OB/GYN, McKinney, TX
In 2010 the UK Regulator, NICE (National Institute for 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.