



Teaching HRA... What are the options?

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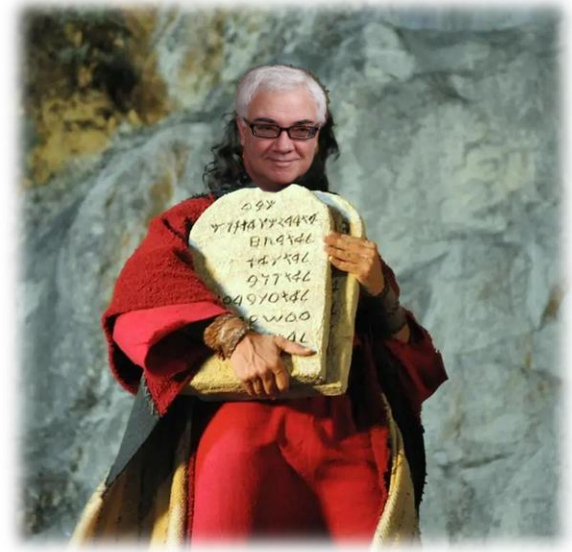
Conflict of Interest Disclosures

- I have received fees, grants and/or conference support from Gilead, Janssen-Cilag, Merck Sharp & Dohme and ViiV Healthcare regarding **HIV**.
- I have received lecture fees and consultancy fees from Merck Sharp & Dohme regarding **HPV**.

Index

- Why?
- Whom?
- What?
- How?
- Other considerations...

Why do we need new anoscopists?



A scene from 'The Real Wild West,' a Curiosity Stream docuseries

Why do we need new anoscopists?



the
ANCHOR
study.org

THE NEW ENGLAND JOURNAL OF MEDICINE

ORIGINAL ARTICLE

Treatment of Anal High-Grade Squamous Intraepithelial Lesions to Prevent Anal Cancer

J.M. Palefsky, J.Y. Lee, N. Jay, S.E. Goldstone, T.M. Darragh, H.A. Dunlevy, I. Rosa-Cunha, A. Arons, J.C. Pugliese, D. Vena, J.A. Sparano, T.J. Wilkin, G. Bucher, E.A. Ster, M. Trado Gomez, L. Flowers, L.F. Barroso, R.T. Mitsuyasu, S.Y. Leung, J. Logan, D.M. Aboulafia, J.T. Schouten, J. de la Ossa, R. Levine, J.D. Korman, M. Hagensee, T.M. Atkinson, M.H. Einstein, B.M. Cracchiolo, D. Wiley, G.B. Elsworth, C. Brickman, and J.M. Berry-Lawhorn, for the ANCHOR Investigators Group*

ABSTRACT

BACKGROUND

The incidence of anal cancer is substantially higher among persons living with the human immunodeficiency virus (HIV) than in the general population. Similar to cervical cancer, anal cancer is preceded by high-grade squamous intraepithelial lesions (HSILs). Treatment for cervical HSIL reduces progression to cervical cancer, however, data from prospective studies of treatment for anal HSIL to prevent anal cancer are lacking.

METHODS

We conducted a phase 3 trial at 25 U.S. sites. Persons living with HIV who were 35 years of age or older and who had biopsy-proven anal HSIL were randomly assigned, in a 1:1 ratio, to receive either HSIL treatment or active monitoring without treatment. Treatment included office-based ablative procedures, ablation or excision under anesthesia, or the administration of topical fluorouracil or imiquimod. The primary outcome was progression to anal cancer in a time-to-event analysis. Participants in the treatment group were treated until HSIL was completely resolved. All the participants underwent high-resolution anoscopy at least every 6 months; biopsy was also performed for suspected ongoing HSIL in the treatment group, annually in the active-monitoring group, or any time there was concern for cancer.

RESULTS

Of 4459 participants who underwent randomization, 4446 (99.7%) were included in the analysis of the time to progression to cancer. With a median follow-up of 25.8 months, 9 cases were diagnosed in the treatment group (173 per 100,000 person-years; 95% confidence interval [CI], 90 to 332) and 21 cases in the active-monitoring group (402 per 100,000 person-years; 95% CI, 262 to 616). The rate of progression to anal cancer was lower in the treatment group than in the active-monitoring group by 57% (95% CI, 6 to 80; $P=0.03$ by log-rank test).

CONCLUSIONS

Among participants with biopsy-proven anal HSIL, the risk of anal cancer was significantly lower with treatment for anal HSIL than with active monitoring. (Funded by the National Cancer Institute; ClinicalTrials.gov number, NCT02135419.)

The authors' full names, academic degrees, and affiliations are listed in the Appendix. Dr. Palefsky can be contacted at jpalefsky@ucsf.edu or at the University of California, San Francisco, 113 Parnassus Ave., Box 5420, Box 0554, San Francisco, CA 94143.

*The members of the ANCHOR Investigators Group are listed in the Supplementary Appendix, available at nejm.org.

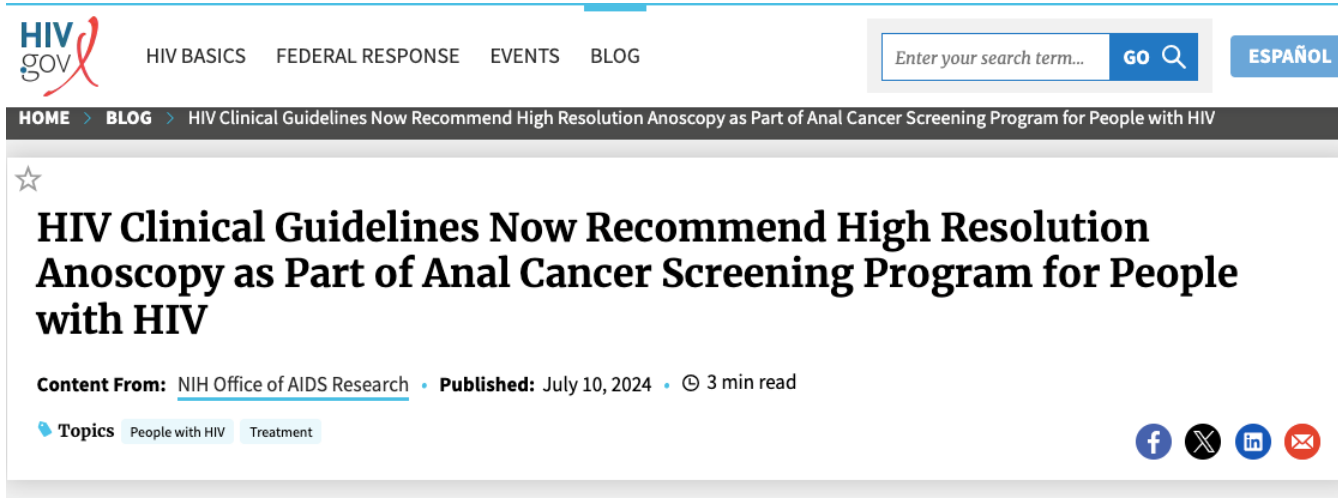
N Engl J Med 2022;386:2273-82.

DOI: 10.1056/NEJMoa2203048

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CME
at nejm.org

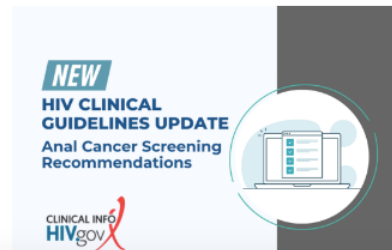
Why do we need new anoscopists?



The screenshot shows the top navigation bar of the HIV.gov website. On the left is the HIV.gov logo. To its right are links for HIV BASICS, FEDERAL RESPONSE, EVENTS, and BLOG. On the far right is a search bar with the placeholder text "Enter your search term..." and a "GO" button with a magnifying glass icon. Next to the search bar is a blue button labeled "ESPAÑOL". Below the navigation bar is a dark grey breadcrumb trail: HOME > BLOG > HIV Clinical Guidelines Now Recommend High Resolution Anoscopy as Part of Anal Cancer Screening Program for People with HIV. The main content area features a star icon, the article title "HIV Clinical Guidelines Now Recommend High Resolution Anoscopy as Part of Anal Cancer Screening Program for People with HIV", and metadata: "Content From: NIH Office of AIDS Research", "Published: July 10, 2024", and "3 min read". Below the metadata are topic tags: "Topics", "People with HIV", and "Treatment". At the bottom right of the article area are social media icons for Facebook, X, LinkedIn, and Email.

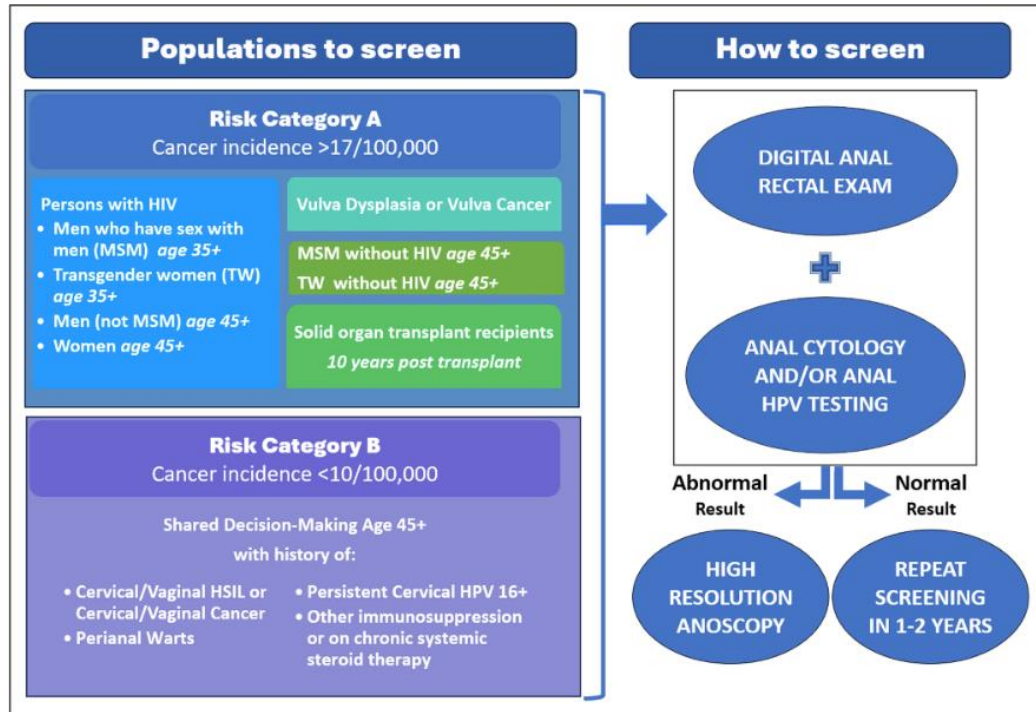
Cross-posted from: [NIH Office of AIDS Research](#)

A panel of experts in HIV care has released new recommendations to prevent anal cancer for people with HIV, the first U.S. federal guidelines on the topic. These recommendations include a screening program that uses high resolution anoscopy (HRA) to help detect and treat precancer and prevent anal cancer for people with HIV.

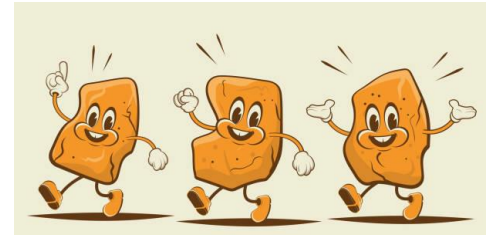
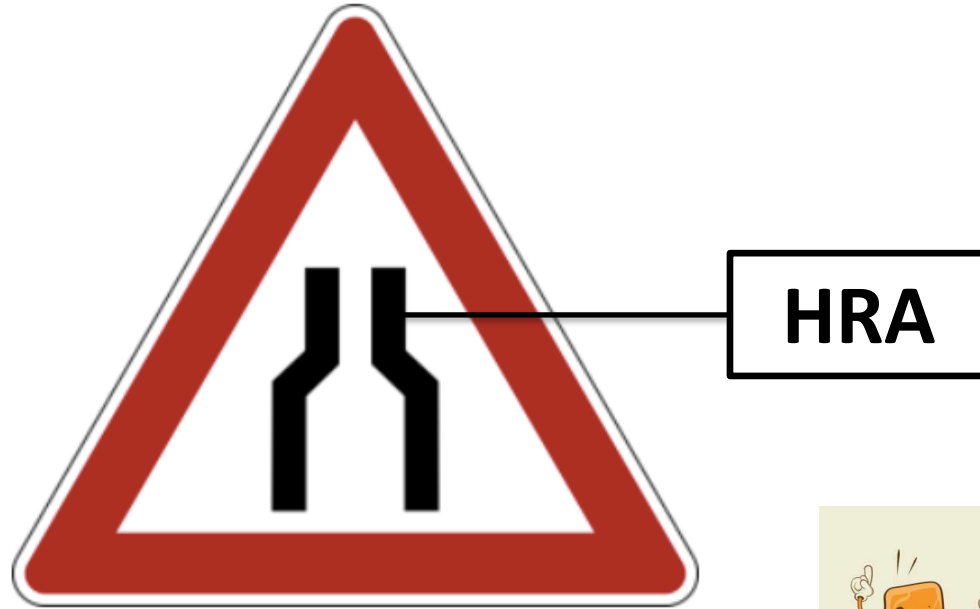


<https://clinicalinfo.hiv.gov/en/guidelines/hiv-clinical-guidelines-adult-and-adolescent-opportunistic-infections/whats-new>

Why do we need new anoscopists?



Why do we need new anoscopists?



The HRA provider journey



I believe
in HRA!

I go and get
trained



I start
doing HRA!



I convince my
boss to set up a
clinic



I actually set up
a clinic



I get
proficient
doing HRA!



Who has to learn about HRA?

- **HCP who want to perform HRA**
 - Basic level
 - Advanced level
- “General” HCP
 - HPV-related disease specialties
 - ID/GUM, colorectal surgeons/proctologists, dermatologists, gynecologists, gastroenterologists, nurses?
- Policy makers and guidelines
- Potential users (patients)

The HRA provider journey



**I go and get
trained**

Learn the theory
Attend a course
Practice without a patient
Observe an experienced provider

I start
doing HRA!

I get
proficient
doing HRA!





Do it
yourself

Where can we learn from?

[Home](#) [Membership](#) [Education](#) [Patient Support](#) [Pathology](#) [About Us](#)



<https://www.iansoc.org/>

Screening Guidelines

Anal cancer screening guidelines are now published in the International Journal of Cancer




[Click for Full Text](#)
[Click for Tables](#)

In the News

EVERYDAY HEALTH


How Black Men Living with HIV and Anal Cancer Can Get the Best Treatment



ians is now a Project ECHO Hub

ANCHOR Study results published in *The New England Journal of Medicine*

Treatment of Anal High-Grade Squamous Intraepithelial Lesions to Prevent Anal Cancer



Human Papillomavirus Vaccination for Adults:

Updated Recommendations of the Advisory Committee on Immunization Practices

WebRounds

WEBROUNDS - TEACHING HRA...WHAT ARE THE OPTIONS?
Thursday, June 27, 2024 12:00 PM (EDT) • Online Webinar

WEBROUNDS - ABLATIVE TECHNIQUES
Tuesday, September 10, 2024 8:00 PM (EDT) • Online Webinar

June Patient Seminar (recording)

WAB Patient Seminar Series: Looking After Your Vagina: a discussion about dilators
Thursday, June 27, 2024 12:00 PM (EDT)



[Watch Recording](#)

IANs Europe Corner

New! European Monthly Meetings

Join the committee the first Thursday of the month at 17:00 GMT +2

Next Meeting July 4, 2024

[Join the Meeting](#)
[Watch Recording](#)
[Research](#)

Career Center

Please log in or subscribe for more information

Donate Today

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[Donate](#)

Courses

IANs VIRTUAL STANDARD HRA COURSE 2024
Friday, March 01, 2024 (UTC) • Online

IANs VIRTUAL ADVANCED HRA COURSE 2024
Monday, June 03, 2024 (UTC) • Online

Scientific Meeting - June 2025

SAVE THE DATE
June 6-8, 2025

Join a free early to mid-career workshop

Save the date for more information

HRA Clinical Workshop - June 5, 2025

Scientific Meeting June 6-8, 2025

IANs Podcast


GOING VIRAL: HOW CAN SHOULD THE HRA EXAM BE REVISED?
AN IANS SOCIETY PODCAST



[Listen Here!](#)

DARE Guidelines

International Anal Neoplasia Society Guidelines for the Practice of Digital Anal Rectal Examination



En español: IANS Examen digital anorrectal revisado

This section is viewable to members only. **You must login to your profile to gain access to this section.**

Members Only

IANS Member Directory
Online Business Meeting
IANS WebRounds-Recording
IANS In Europe
Discussion Forum
Member Newsletter
Helpful Videos
Helpful Documents



Digital Anal Rectal Exam

An Exam at the UCSF ANCRE: Anal Neoplasia Clinic, Research & Education Center

Topical Therapy Application

HRA Documents

Click to download the documents

- IANS Treatment Logs-IANS-Example.xlsx
- IANS Treatment Logs-IANS.xlsx
- IANS_Instructions for filling out HRA Logs

Click here to download: Efudex instructions

Helpful Documents

Atlas of Anal Canal and Perianal HPV Related Disease
IANS Guidance Statement
IANS DARE Guidelines
Topical Treatment Survey Results
HRA in Spanish and Portuguese

Atlas of Anal Canal and Perianal HPV-related Disease

This atlas is posted as a service to members of the International Anal Neoplasia Society. It is provided with the kind permission of Lippincott Williams and Wilkins (<http://lww.com>), publishers of the textbook "Modern Colposcopy" in which this atlas was published as Chapter 17. Images and text may not be reproduced without permission of the authors and publishers.

Atlas of Anal Canal and Perianal HPV Related Disease

CHAPTER

17

TERESA M. DARRAGH
J. MICHAEL BERRY
NAOMI JAY
JOEL M. PALEFSKY

The Anal Canal and Perianus: HPV-Related Disease

17.1 EPIDEMIOLOGY OF ANAL HPV INFECTION, ANAL INTRAEPITHELIAL NEOPLASIA, AND ANAL CANCER IN MEN AND WOMEN

17.1.1 Epidemiology of Anal HPV Infection in Men and Women

17.1.2 Epidemiology of AIN in Men and Women

17.2 ANAL CANCER SCREENING

17.3 PATHOLOGY OF HPV-RELATED DISEASE OF THE ANAL CANAL AND PERIANUS

17.3.1 Anal Cytology

17.3.2 Histopathology of HPV-Related Disease of the Anal Canal and Perianus

17.4 EVALUATION OF THE ANUS AND PERIANUS

17.4.1 Assessment of New Patients

17.4.2 The Anal and Perianal Examination

17.4.3 Anal Cytology Collection

17.4.4 Digital Anorectal Examination

17.4.5 High-Resolution Anoscopy

17.4.6 Differences between HRA and Cervical Colposcopy

17.4.7 Anal and Perianal Biopsies

17.4.8 HRA Terminology

17.4.9 Normal Anal Transformation Zone

17.4.10 Abnormal Anal Transformation Zone

17.4.11 Perianal Examination

17.5 MANAGEMENT AND TREATMENT OF ANAL CANAL AND PERIANAL LESIONS

17.5.1 Rationale for Treating HGAIN or Condyloma

17.5.2 Role of HRA in Management and Treatment of Anal Neoplasia

17.5.3 Office-Based Treatment of AIN

17.5.4 Approach to Patients in the Operating Room: UCSF Experience

17.5.5 Specific Management Scenarios If Cancer Is Identified or Suspected

17.5.6 Specific Recommendations for Management and Treatment of HGAIN and Condyloma

17.5.7 Management of Anal Cancer

17.6 SUMMARY AND CONCLUSIONS

17.6.1 Primary Prevention: Hope for the Future

IANS Guidelines

2016 IANS International Guidelines for Practice Standards in the Detection of Anal Cancer Precursors

Hillman R et al. J Low Genit Tract Dis 2016;20: 283–291

International Anal Neoplasia Society Guidelines for the Practice of Digital Anal Rectal Examination

Hillman R et al. J Low Genit Tract Dis 2019;23: 138–146

International Anal Neoplasia Society's consensus guidelines for anal cancer screening

Stier EA et al. Int. J. Cancer. 2024;154:1694–1702

Meetings & Education

Registration

WebRounds Schedule 2024

Virtual Standard HRA Course 2024

Virtual Advanced HRA Course 2024

ECHO Hub 2024



The International Anal Neoplasia Society

P.O. Box 1543

Leesburg, Virginia 20177

info@iansociety.org



ians International Anal Neoplasia Society
 Farrah Fawcett Foundation
 ACF ANAL CANCER FOUNDATION

Helpful Podcasts

However...

- * Membership level
 - **Physician Member - \$270.00 (USD)**
Subscription period: 1 year
No automatically recurring payments
Physicians who are interested in high resolution anoscopy and anogenital pathology or those who demonstrate an active interest in anal neoplasia, including invasive and preinvasive disease, high resolution anoscopy and anogenital pathology by their professional involvement through pathology/cytology, nursing public health policy, and/or research/basic science.
 - **Physician Member - Discount for Automatic Renewal - \$240.00 (USD)**
Subscription period: 1 year
Automatic renewal (recurring payments)
 - **Clinical Specialist - \$180.00 (USD)**
Subscription period: 1 year
No automatically recurring payments
Nurses, nurse practitioners, physician assistants, etc.
 - **Clinical Specialist - Discount for Automatic Renewal - \$160.00 (USD)**
Subscription period: 1 year
Automatic renewal (recurring payments)
 - **Low-Medium Income Country Physician - \$50.00 (USD)**
Subscription period: 1 year
No automatically recurring payments
Check status:<https://data.worldbank.org/country>
 - **Low-Medium Income Country Physician - Discount for Automatic Renewal - \$45.00 (USD)**
Subscription period: 1 year
Automatic renewal (recurring payments)
Check status:<https://data.worldbank.org/country>
- **Advocate/Research Scientist - \$180.00 (USD)**
Subscription period: 1 year
No automatically recurring payments
Researchers, Scientists and individuals interested in public health, policy, education, or research and basic science related to anal neoplasia.
- **Advocate/Research Scientist - Discount for Automatic Renewal - \$160.00 (USD)**
Subscription period: 1 year
Automatic renewal (recurring payments)
- **Resident/Trainee - \$100.00 (USD)**
Subscription period: 1 year
No automatically recurring payments
Physicians interested in anal neoplasia and who are currently enrolled in an accredited residency program or have completed such a program in the past year. Physicians in post-residency fellowships are also eligible.
- **Student Member - \$50.00 (USD)**
Subscription period: 1 year
No automatically recurring payments
- **Retiree Member - \$50.00 (USD)**
Subscription period: 1 year
No automatically recurring payments
Individuals who have retired from practice but would like to be involved and participate in meetings and events.
- **Patient/Survivor/Advocate - \$50.00 (USD)**
Subscription period: 1 year
No automatically recurring payments

AI in HPV

**Artificial Intelligence and data driven
decision making in anal dysplasia**

Anna Sala

Hospital Universitari Vall d'Hebron,
Barcelona.

AI in HPV



ChatGPT 4



Consensus

Por consensus.app

Your AI Research Assistant. Search 200M academic papers from Consensus, get science-based answers, and draft content with accurate citations.

Is sauna good for heart health? Write the introduction of a paper on the effects of cil...
Draft a blog on science-backed benefits of mindfulness... Does fish oil improve mood? Only use human RCTs fr...

Mensaje Consensus...



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Por awesomegpts.ai

Enhance research with 200M+ resources and built-in critical reading skills. Access Google Scholar, PubMed, JSTOR, Arxiv, and more, effortlessly.

Find the latest research about AI I will upload a PDF paper; Use critical skills to read it
I'll provide a research paper link; Please analyze it Type "LS" to list my built-in critical reading skills
Mensaje Scholar GPT...



SciSpace

Por scispace.com

Do hours worth of research in minutes. Instantly access 287M+ papers, analyze papers at lightning speed, and effortlessly draft content with accurate citations.

Does wearing an activity tracker improve health out... What are the benefits of taking l-theanine?
Draft a blog on science-backed benefits of mindfulness... Write the introduction of a paper on the effects of cil...

Mensaje SciSpace...



BUTT-EXPERT

By community builder

Expert in HRA, anal cancer screening, and image assessments.

Assess this HRA image for potential HSIL or LSIL Explain the differences between HSIL and LSIL in ima...
Provide guidance on next steps after image assessm... Suggest potential categorization of an uploaded ima...

Mensaje Send a message

1-click prompts Web access

ChatGPT puede cometer errores. Considera verificar la información importante.

DEEP LEARNING AND HIGH-RESOLUTION ANOSCOPY: ASSESSING THE IMPACT OF STAINING AND OVERCOMING THE IMPACT OF THERAPEUTIC ANAL MANIPULATION IN THE AUTOMATED DETECTION AND DIFFERENTIATION OF ANAL SQUAMOUS CELL CANCER PRECURSORS

M.J. Mascarenhas Saraiva¹, L. Spindler², N. Fathallah,² T. Ribeiro¹, J. Afonso¹, P. Cardoso¹, F. Mendes¹, M. Martins¹, J. Ferreira³, G. Macedo¹, V. de Paredes²

¹ Gastroenterology Department, São João University Hospital, Porto, Portugal

² Hospital Paris Saint-Joseph, Proctology, Paris, France

³ Faculty of Engineering of the University of Porto, Portugal

2. Subanalysis of diagnostic performance in different subsettings

Non-stained
n = 2 820

Acetic acid
n = 13 378

Lugol
n = 7 243

Post manipulation
n = 9 377

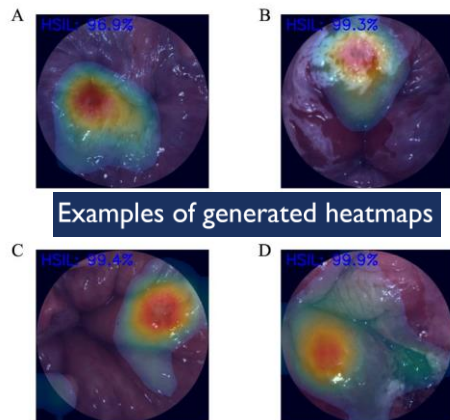
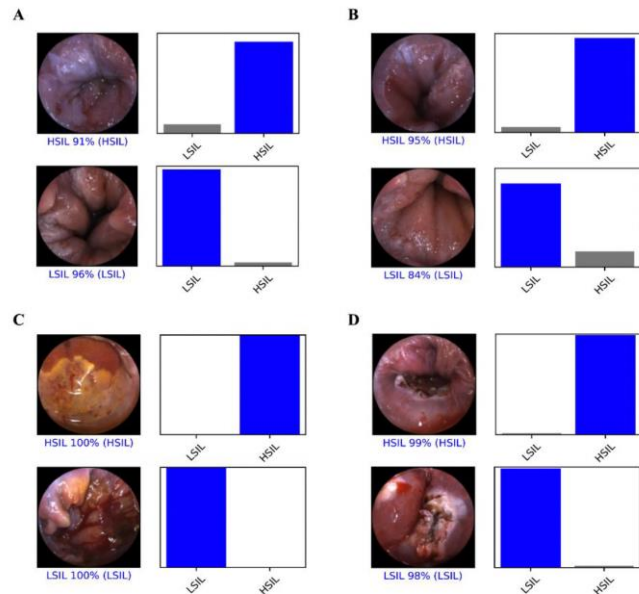
Primary Outcome Measures

Sensitivity

Specificity

Accuracy

AUC



I want to get trained...
What should be taught?



What should be taught?

BRITISH SOCIETY FOR COLPOSCOPY AND CERVICAL PATHOLOGY

TRAINING PROGRAMME LEADING TO CERTIFICATION

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SUMMARY OF TRAINING REQUIREMENTS

Basic Colposcopy Course

All trainees must have completed a BSCCP-recognised Basic Colposcopy Course within 5 years of starting clinical colposcopy training.

The Log-Book

This has a number of educational roles and should not simply be regarded as a record. Firstly it documents the trainee's progress in working through the theoretical aspects of colposcopy: the trainer should regularly review this with the trainee to identify if there are any problem areas. In addition, the log-book records clinical experience and it is important that the trainer periodically reviews this in order to assess breadth of experience and to overview the correlation between colposcopic findings and histology.

Clinical experience

It is recommended that clinical training should be completed within 18 months. The trainee is required to see 50 cases (20 of which must be new cases) under direct supervision and 100 (30 new) cases under indirect supervision. **Half of all new cases must be high-grade cytology referrals.**

Direct supervision means that the colposcopic examination is performed with the trainer in the room. Indirect supervision is when the trainee is seeing a patient without the trainer present in the room. However, the trainer should be available if needed. The trainer should review every case seen by the trainee, ideally straight after each clinical session so as to provide feedback.

Treatment Module

The core training programme is about diagnostic colposcopy. There is an additional module for trainees who intend to perform treatment. Completion of the training programme and this additional module culminates in the awarding of the BSCCP/RCOG Certificate (Diagnostic and Treatment). This module comprises 20 local treatments (10 witnessed, 10 performed under supervision) in the 150 core module cases. Trainers should ensure they have the appropriate documentation for the treatment module from the BSCCP.

Audit/ research

Trainees should be encouraged to undertake at least one audit topic during their training, whether or not they had previous audit experience. Wherever possible they should be encouraged to participate in research studies.

Pathology experience

All trainees should be familiar with the workings of the cyto- and histopathology laboratories and spend at least one session in each. Nurse trainees must dedicate 3 sessions each to cytopathology and histopathology. In addition all trainees must attend at least 50% (a minimum of 6) colposcopy MDT meetings during training.



Naomi Jay, RN NP PhD
a.k.a. Tushie Queen

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Education Center, San Francisco,
California, USA

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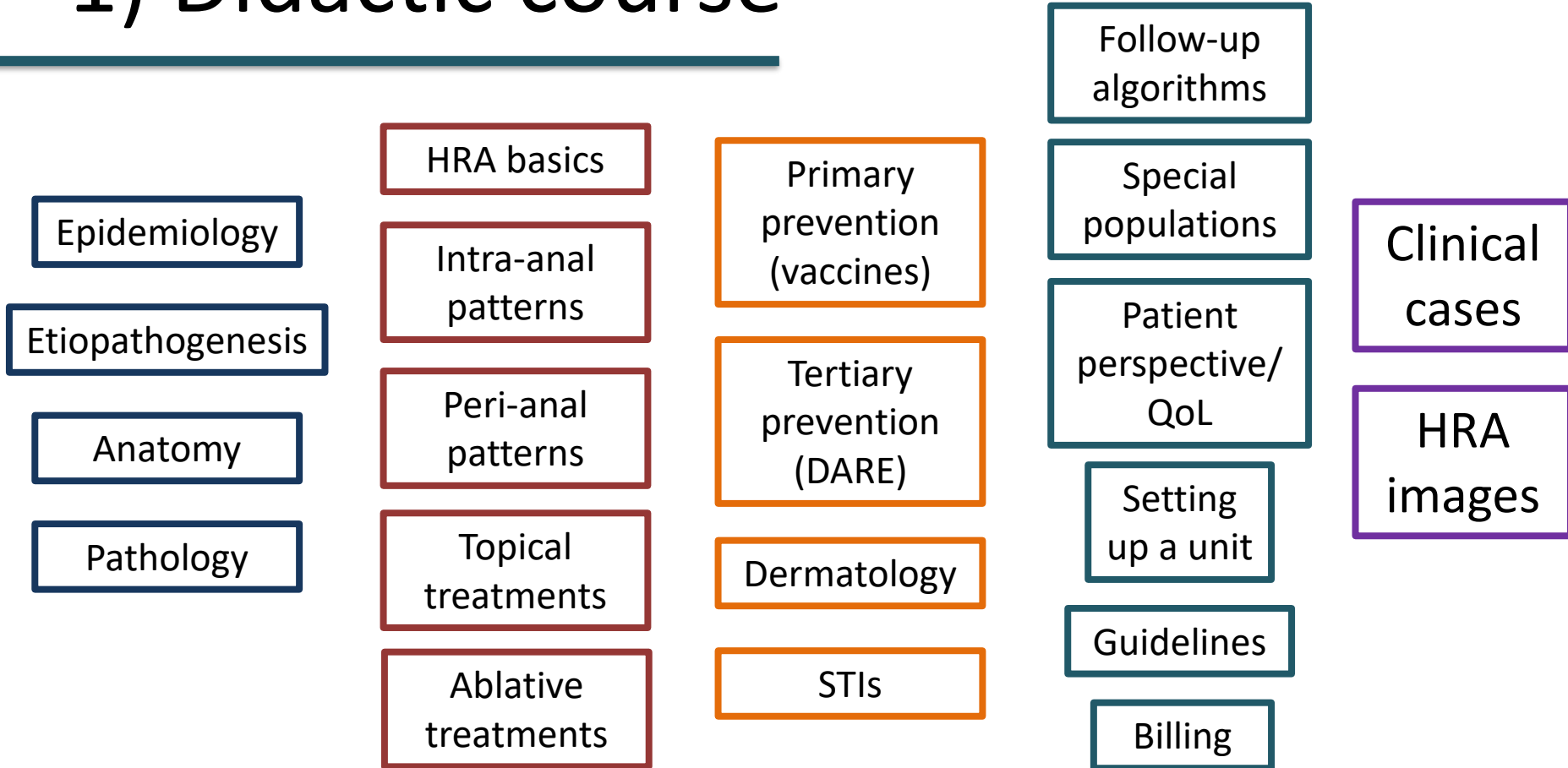
<https://www.hpvworld.com/articles/practising-and-training-for-high-resolution-anoscopy/>

N° 162

Practising and training for high-resolution anoscopy

Providers from a variety of specialties and backgrounds have received training in HRA. In most countries, medical doctors and advanced practice clinicians can perform HRA. Ideally training will include a didactic course followed by hands-on mentorship and observation with an experienced provider. Courses are offered annually through the **International Anal Neoplasia Society**. Unfortunately, as a young field, there is a shortage of expert clinicians to provide mentorship for hands-on training. Practice standards have been published as a guideline for establishing minimal proficiency.⁵ While the difficulties of attaining a level of expertise has been documented in many studies, these same studies indicate that expertise will develop with practice.⁶ There is a steady increasing demand for HRA in clinical care and research. Providers who choose to establish HRA in their practice will be rewarded by involvement in a young, growing field as well as the opportunity to serve patients seeking these much-needed services.

1) Didactic course



1) Didactic courses examples

Home > Education > Virtual Standard HRA Course 2024 > HRA Course Overview



HRA Course Overview

The High Resolution Anoscopy (HRA) course serves as a basic introduction for all clinicians interested in providing the specialized procedure and who work with populations under consideration for anal cancer screening. These include men who have sex with men (MSM), immunocompromised men and women, and women with a history of gynecologic HSIL and cancer. Health care providers from a variety of backgrounds commonly take the course including those in family practice, internal medicine, infectious disease, gynecology, gastroenterology, general and colorectal surgery. Providers may or may not have background in gynecologic colposcopy before taking the course. Prior attendees have included MDs and advanced practice clinicians as well as clinicians in training including residents, fellows and RNs.

The course will cover the background and rationale for anal cancer screening, all aspects of the procedures used for screening and management of HPV-associated anal lesions.

Competencies and Objectives

This course has been designed to improve competencies in medical knowledge, practice-based learning, systems-based practice, and patient care.

- To describe the epidemiology and pathophysiology of anal HPV-associated disease including HPV infection, low and high-grade squamous intraepithelial lesions (L/H-SIL), and anal cancer.
- To identify populations who may benefit from anal cancer screening.
- To teach the diagnostic procedures used in the evaluation of L/H-SIL and anal cancer. These include anal cytology, digital anal rectal exam, high-resolution anoscopy, anal biopsy and ablate therapies.
- To discuss different treatment and management options for L/H-SIL and anal cancer.
- To discuss prevention strategies for HPV-associated disease.

Module 3	ANUS AND PERIANIUS	3 hours	Andrea Albuquerque and Mayura Nathan
14.30-14.40	Histological and cytological classification	10 min	Elisabete Rios
14.40-14.55	Epidemiology of anal HPV infection, condylomas, AIN and anal cancer	15 min	Gary Clifford
14.55-15.10	Screening: cytology, HPV testing, biomarkers, DARE	15 min	Andrea Albuquerque
15.10-15.30	Screening: high-resolution anoscopy	20 min	Mayura Nathan
15.30-15.40	Prevention and HPV vaccine	10 min	Gary Clifford
15.40-15.55	Break	15 min	
15.55-16.25	Treatment of anal precancerous lesions	30 min	Joel Palefsky
16.25-16.40	Recommendations for screening and treatment- similarities and differences to cervix	15 min	Nicolas Wentzensen
16.40-16.50	Hot Topics in Anal squamous cell carcinoma	10 min	Carmela Cappello
16.50-17.05	Discussion	15 min	All
17.05-14.45	Case-based discussion	40 min	Mayura Nathan, Carmela Cappello, Isabelle Etienney

ipvc2024
NOVEMBER 12-15, 2024 | EDINBURGH, UK



Scientific Meeting - June 2025

HRA Clinical Workshop - June 5, 2025

Scientific Meeting June 6-8, 2025

GH
GASTROENTEROLOGY HOSPITAL

MASTER CLASS
HIGH RESOLUTION ANOSCOPY
Groupe Hospitalier Diaconesses Croix Saint-Simon
Tuesday, December 19, 2023- Wednesday, December 20, 2023

Hôpital des Diaconesses
18 rue du Sergent Bauchaat
75012 PARIS

BRIGHAM HOSTS COUNTRY'S FIRST HIGH-RESOLUTION ANOSCOPY COURSE FOR COLORECTAL SURGERY FELLOWS



5th European HRA Course, London

Thursday 7th November – Friday 8th November 2019

ians International Anal Neoplasia Society



OBJECTIVES

- Understand the pathogenesis of HPV-related anal neoplasia
- Understand the clinical presentation of anal neoplasia
- Understand the principles of high-resolution anoscopy
- Understand aspects of management of anal neoplasia and anal cancer
- Understand the practicalities of setting up and maintaining an HRA service

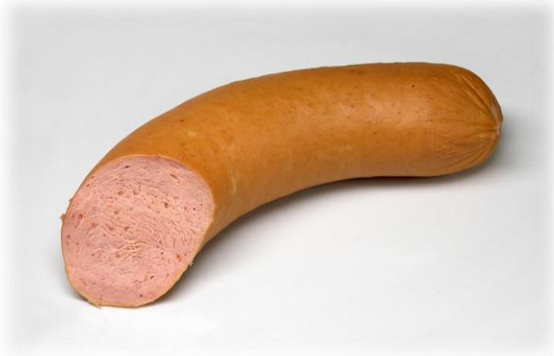
2) Practice w/o patient



- DARE
- Citology
- HRA
- Biopsies
- Anesthesia/ablative treatment

Hands-on?

“Hands-on” HRA





Advances and Controversies in Colorectal Surgical Oncology: Annual Update

Upon completion of this course, participants will be able to

1. Describe recent advances in rectal cancer oncology treatment pathways.
2. Understand the indications for extended resection for colon, rectal and anal cancer.
3. Understand treatment pathway and surveillance options for dysplastic colorectal and anal lesions
4. Describe the importance of having multidisciplinary team input for complex cancer cases.

Full 3 Day Course (Non CME) \$950.00

Please select preferred hands on option:

Option I: Advanced Robotic Colorectal Surgery Hands On Cadaver Workshop

Option II: Advanced Laparoscopic Colorectal Surgery Hands On Cadaver Workshop

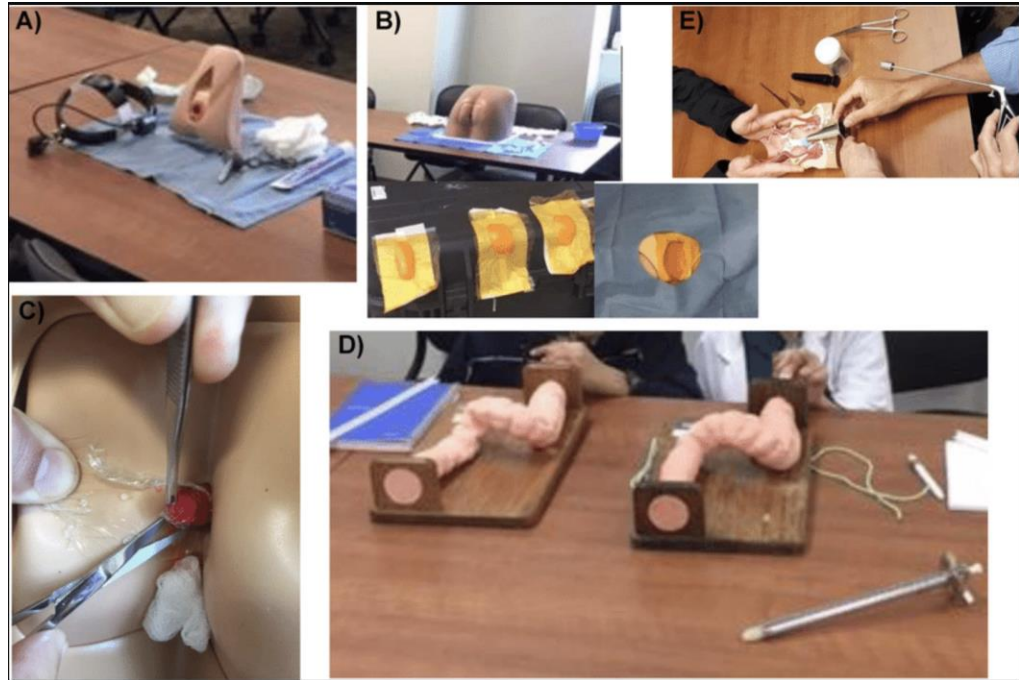
Option III: Advanced Open Colorectal Surgery Hands On Cadaver Workshop

Option IV: High Resolution Anoscopy Hands On Workshop **?**

<https://colorectalsymposium.massgeneral.org/coureoverview/>

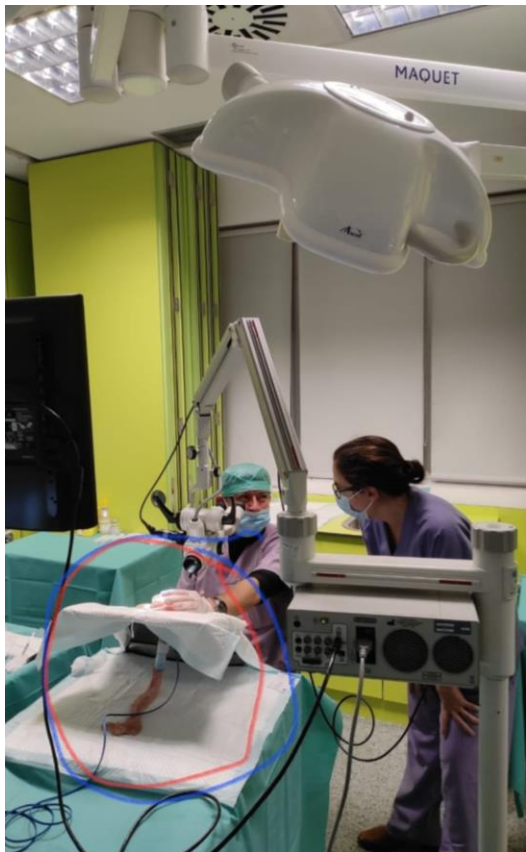
Fundamentals of Anorectal Technical Skills: A Concise Surgical Skills Course

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CPT Christopher Dyke, MD, USA, MC*† ; Col E. Matthew Ritter, MD, USAF, MC* ;
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CAPT W. Brian Sweeney, MD, MC, USN (Ret.)**



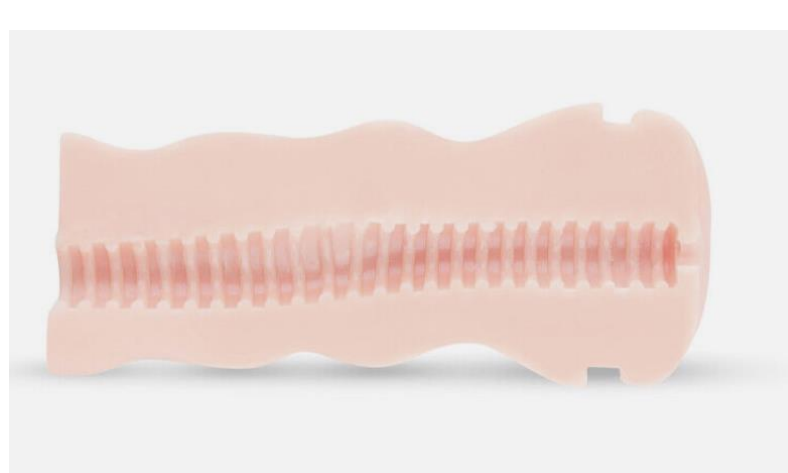
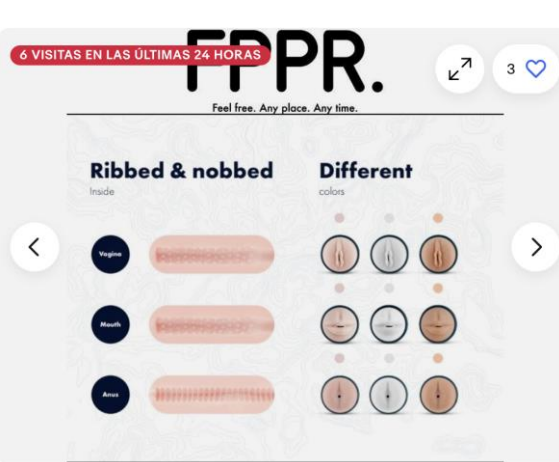
**BRIGHAM HOSTS COUNTRY'S FIRST HIGH-RESOLUTION
ANOSCOPY COURSE FOR COLORECTAL SURGERY FELLOWS**





Courtesy Maite García, A Coruña

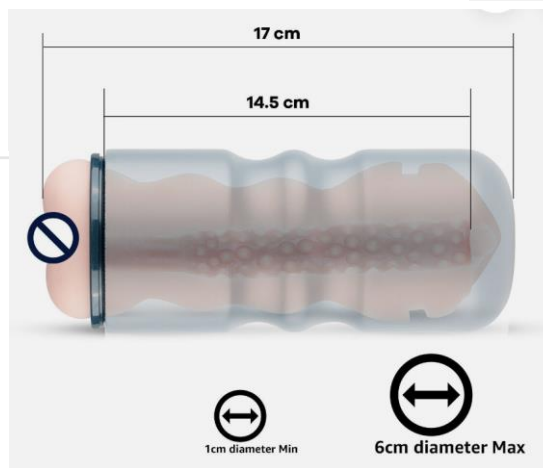
Feel free. Any place. Any time.



15,95 EUR c/u

(15,95 EUR/Unidad)

Estado: Nuevo



 HASTA EL 15% DE DESCUENTO EN COMPRA MÚLTIPLE

<https://www.ebay.es/itm/364020953301>

CENTRE DE REFERÈNCIA

Vall d'Hebron Centre de Simulació Clínica Avançada

WORK IN PROGRESS



3) Observation with an experienced provider

- Who is observed?
 - How to define “experienced provider”
- For how long?
- Do you ever switch positions?
 - Legal implications of experienced provider observing (and not doing)?

The HRA provider journey



I go and get
trained

Learn the theory
Attend a course
Practice without a patient
Observe an experienced
provider

**I start doing
HRA!**

Hands-on mentorship w patient
Perform HRA alone
Invasive procedures mentorship
Invasive procedures alone

I get
proficient
doing HRA!



Is that HRA provider ready?

- Who has to certify it?
 - Autocertification?
 - IANS Guidelines 2016
 - Logs
 - External certification?
 - IANS guidelines 2016
 - Logs/videologs
 - Who is entitled to certify in HRA?
 - Multi-specialty
 - Different countries/societies/health systems
 - Legal implications of certification
 - Certification of program completion vs Certification of competency

2016 IANS International Guidelines for Practice Standards in the Detection of Anal Cancer Precursors

TABLE 4. Recommended Practical Competencies

- Conduct a consultation before the HRA procedure where there is an adequate explanation to patient of what to expect, as well as covering initial queries
- Adhere to local infection control procedures
- Obtain either verbal or written informed consent
- Take a technically adequate anal cytological sample
- Perform a digital anorectal examination
- Insert a lubricated anoscope without causing the patient undue discomfort
- Operate a colonoscope
- Repeatedly apply 5% acetic acid
- Apply Lugol iodine
- Examine the SCJ at the border of the distal rectum, the anal transformation zone, the distal canal, through to the anal verge and perianus
- Identify, anatomically locate, and describe any morphologic variants
- Identify, anatomically locate, and describe any abnormalities
- Develop an impression of the key clinical problems and differential diagnosis
- Perform adequate anal canal and perianal biopsies
- Achieve hemostasis
- Communicate the anoscopy examination findings and the pathway for future care to patient and other care providers
- Refer onward appropriately

TABLE 6. Volume of Practice Criteria

Code	Metric	Minimum cases	Recommended
A.1	Anal cytology samples taken per year	50	≥100
A.2	HRAs completely performed per year	50	≥100
A.3	Histological HSIL diagnoses per year	20	≥50

TABLE 7. Technically Unsatisfactory Anal Cytological Sampling Rates

Code	Metric	Recommendation
B.1	Technically unsatisfactory anal cytological sample (at first attempt) - in highest risk populations: for example, HIV-positive MSM	<5%*
B.2	Technically unsatisfactory anal cytological sample (at first attempt) - in lower risk population: for example, HIV-negative women	<15%

TABLE 8. High-Resolution Anoscopy Performance Metrics

Code	Metric	Recommendation
C.1	Entire SCJ, AnTZ, distal anal canal and perianus fully visualized	>90%
C.2	Average number of biopsies performed per procedure for new patients ¹	>1
C.3	Detection of histological HSIL within 3 months after initial cytological HSIL	>90%
C.4	% perianal biopsies ²	≥5%


TABLE 9. Patient Experience Metrics

Code	Metric	Recommendation
D.1	Duration of HRAs ¹	90% <15 minutes >90% lasting ≥5 min
D.2	Problematic pain ²	≤10%
D.3	Problematic bleeding ³	≤10%

TABLE 10. Possible Additional Metrics

Code	Metric	Recommendation
E.1	Inadequate biopsy rates (including pathologist unable to comment on grade of squamous intraepithelial lesion because of lack of depth, colonic biopsies, and no tissue)	<10%
E.2	If cHSIL identified, but no hHSIL detected, then patient to be recalled within 6 months for repeat HRA	>90%

Logs

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U					
1						Clinician's Name:																			
2						Site:																			
3																									
4																									
5																									
6																									
7																									
Log #	Patient ID	Preceding HRA Exam Date	Preceding HRA Examiner, if different	Ablation Date	Type of Ablation	Number of Lesions and Locations Treated	Complications of Treatment (if any)	Comments: complete ablation, Y/N, if no provide reason.	Date of Follow-up HRA	Follow-up HRA Findings	FU Cytology Results	FU Summary- complete resolution, persistence, recurrence, new lesions	Summary: Most Severe Histologic Diagnosis	Lesion 1 Location, Pathology Results*, Recurrent Lesion Y/N	Lesion 2 Location, Pathology Results*, Recurrent Lesion Y/N	Lesion 3 Location, Pathology Results*, Recurrent Lesion Y/N	Lesion 4 Location, Pathology Results*, Recurrent Lesion Y/N	Lesion 5 Location, Pathology Results*, Recurrent Lesion Y/N	Lesion 6 Location, Pathology Results*, Recurrent Lesion Y/N						
8																									
11	2																								
12	3																								
13	4																								
14	5																								
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28	19																								
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30	21																								
31	22																								
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34	25																								
35	* List pathology results if biopsy was taken. Note as "WNL" if no lesion seen and no biopsy taken.																								
36																									

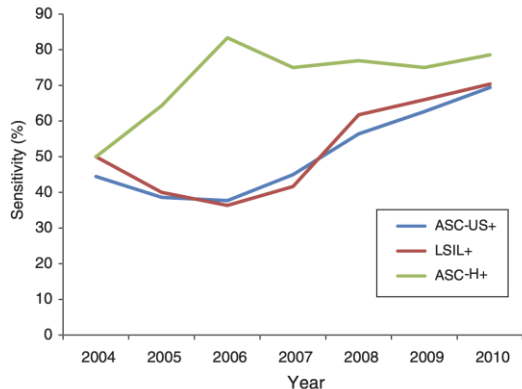
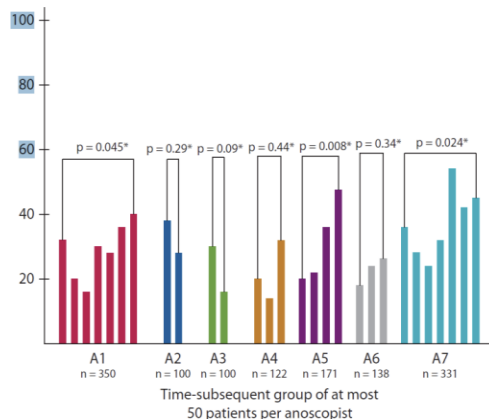
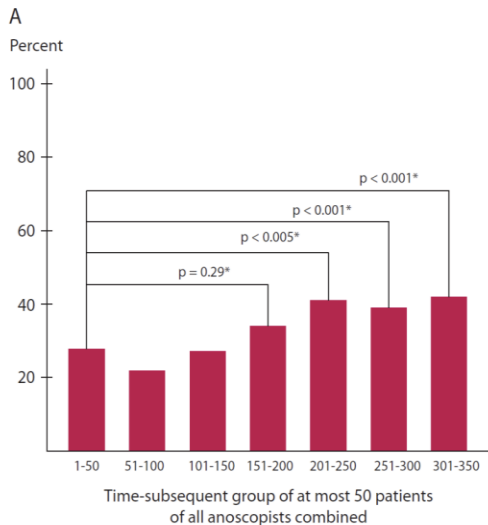


Fig. 1. Trends of detecting anal squamous intraepithelial lesions from 2004 to 2010.

Hillman R et al. *Sexual Health 2016*;
13: 177–181



Siegenbeek van Heukelom ML, et al. *Dis Colon Rectum 2018*; 61(7):780-786.

Neukam K et al. *Papillomavirus Research 2019*; 7: 62-66

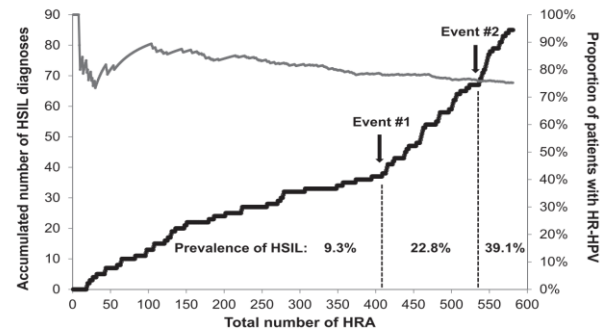
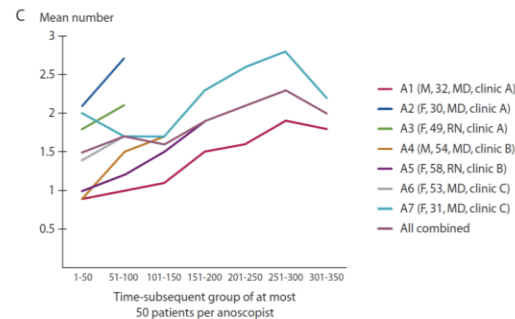


Fig. 2. Accumulated high-grade anal squamous neoplasias (HSIL) according to the total number of high-resolution anal squamoscopies (HRA) with subsequent biopsy (black line) and the prevalence of high-risk human papillomavirus (HR-HPV) (grey line) in 581 HIV-infected men who have sex with men seen between 2010 and 2017 in an HIV outpatient clinic of a tertiary care centre in Seville, Spain. Event #1: One single expert pathologist responsible for biopsy interpretation; Event #2: Observer participates at additional one week expert training. The slope of the HR-HPV curve from the hundredth HRA onwards was -0.0003 ($r^2 = 0.97$).



The HRA provider journey



I go and get
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Observe an experienced
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I start
doing HRA!

Hands-on mentorship w
patient
Perform HRA alone
Invasive procedures
mentorship
Invasive procedures alone

**I get proficient
doing HRA!**

**Certification
Accreditation
Advanced course
Learning specific procedures
Providing HRA vs Teaching HRA**



Accreditation

- Of the provider
- Of the Unit

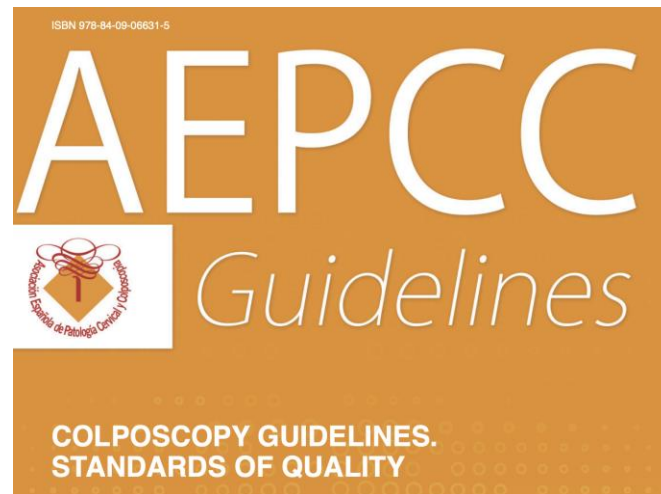
- Periodicity??
- Who accredits providers/units?
 - National societies (which specialty?)? IANS?



Certification / Accreditation

TABLE 1. Quality Assurance Metrics for Selected Specialties and Jurisdictions

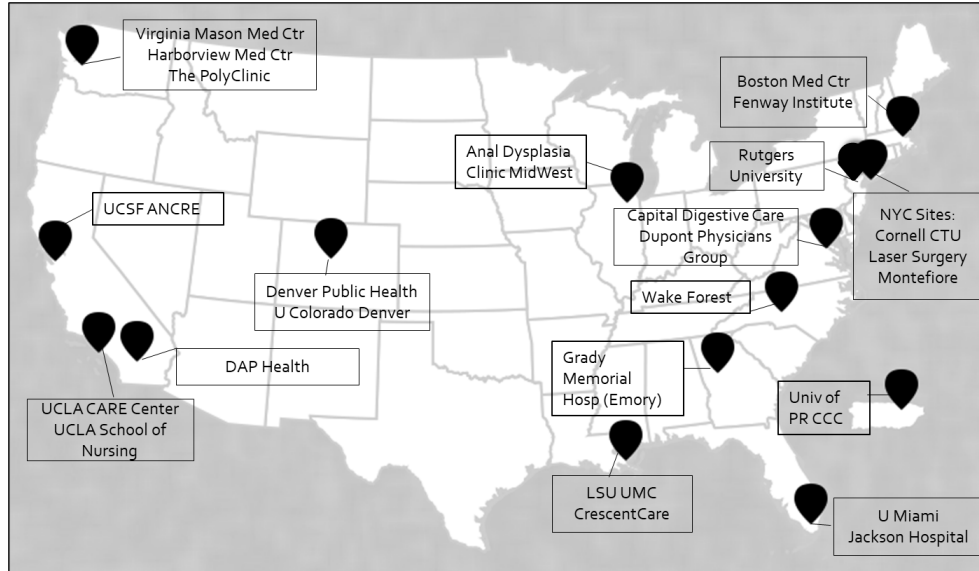
Specialty	Jurisdiction	Contents
Colposcopy	United States	None (although mentorship programs exist and colposcopy practice standards are currently under evaluation through the ASCCP)
	United Kingdom BSCCP (2016)	<ul style="list-style-type: none"> Minimum caseload of 50 cases per year, comprising: <ul style="list-style-type: none"> • ≥25 new cases with abnormal cytology • ≤25 new cases referred with abnormal symptoms or an abnormal appearing cervix or multi focal lower genital tract disease referrals within or between colposcopy clinics • >90% biopsies should be suitable for histological interpretation • predictive value of a colposcopic diagnosis of a high-grade lesion (cervical intraepithelial neoplasia grade 2 or worse) should be at least 65% • Biopsy should be undertaken in >95% of women with high-grade abnormalities
	Australia (ASCCP)	<ul style="list-style-type: none"> • Have completed the Colposcopy Online Learning Program within 12 months before application for certification • Provide evidence of having completed 100 colposcopic examinations, 50 of which must be new cases • Provide evidence of satisfactory completion of the in house clinical assessment 'Colposcopy and the Treatment of Cervical Disease' • Complete a logbook of 10 documented treatments for high-grade lesions of the cervix (therapeutic stream) • Provide a letter of competency signed off by their training supervisor
	Canada (Timmouth J 2014)	<ul style="list-style-type: none"> A minimum of: <ul style="list-style-type: none"> • 6 months technical training • 300 completed procedures with at least 50 polypectomies performed to achieve accreditation • 200 colonoscopies per year to maintain privileges, with at least a 95% cecal intubation rate
Gastrointestinal endoscopic procedures	USA (ASGE 2015)	Preprocedure, intraprocedure, and postprocedure indicators with levels of supportive evidence and specified performance targets, separated by process and outcome measures
	United Kingdom (Group 2011)	≥100 procedures/year (150/year “aspirational”) Joint Advisory Group on Gastrointestinal Endoscopy: individual—90% cecal intubation rate; 15% polyp detection rate; unit: patient feedback; cleanliness; standards of decontamination



https://www.aepcc.org/wp-content/uploads/2019/04/10a-AEPCC_guidelines-COLPOSCOPY.pdf

ANCHOR Study Centers

- How were they trained/certified?



Anoscopists mandated to attend IANS-approved course

- Hands-on practical training as part of course
- Proctorship by ANCHOR study expert members
 - Sometime remote
 - Zoom works

Quality assurance (QA):

- Minimum 35% HSIL in MSM LWH
- $\geq 5\%$ biopsies should be perianal of which $\geq 10\%$ should be HSIL
- HRA: 8 observed by expert
 - all 8: complete view of SCJ
 - 5/8 to have biopsies



Program

Module 1: Identification of anal SIL– pre-recorded didactic lectures

- 1.1 - Introduction: Where we are in terms of identifying and treating anal HSIL -30 mins
- 1.2 - ABCs of Advanced HRA – 30 mins
- 1.3 - Perianal squamous intraepithelial lesions part A – 15 mins
- 1.4 - Perianal squamous intraepithelial lesions part B - 15 mins
- 1.5 - Use of metrics and monitoring progress – 30 mins
- 1.6 - Pathology: Updates on biomarkers in distinguishing HSIL, challenges in identification of cancer – 30 mins

Module 2: Treatment of anal SIL and/or SCCA– pre-recorded didactic lectures

- 2.1 - Ablative Technique in the treatment of anal HSIL – 30 mins
- 2.2 - Treatment of perianal squamous intraepithelial lesions – 30 mins
- 2.3 - Surgical management of squamous intraepithelial lesions – 30 mins
- 2.4 - Surgical management of early anal and perianal cancers – 30 mins
- 2.5 - Workshop: Block for anesthesia – 5 mins
- 2.6 - Workshop: Use of tattoos to mark areas of excision – 5 mins

Module 3 – Live/recorded panel case-based discussions

- 3.1 - Panel Discussion: Diagnosis: early cancer or advanced HSIL – 60 mins
- 3.2 - Panel Discussion: Diagnosis: challenging scenarios – 60 mins
- 3.3 - Panel Discussion: Treatment: HRA in the OR– 60 mins
- 3.4 - Panel Discussion: Treatment: challenging treatment in the office – 60 mins

Who can teach?



- Societies/IANS course endorsement?
- Certified/accredited providers/units?
 - Different certification for:
 - Providing HRA
 - Teaching HRA

Seminar series “Educating the Trainers”



Naomi Jay, RN NP PhD
a.k.a. Tushie Queen



- Online
- 4-5 90 minute sessions:
 - Setting up a practice
 - Metrics for evaluating new providers - analyzing and using for feedback
 - Common Problems for new learners and solutions
 - Treatment
 - Teaching remotely

Take home messages

- **Urgent Need for More HRA Providers:**
 - Significant demand for trained anoscopists to meet current & future needs in healthcare system
- **Ensure Quality in HRA Practice:**
 - Maintain a high standard of quality in both theoretical knowledge & practical application of HRA
- **Comprehensive Training Essential:**
 - Effective training programs that combine theoretical knowledge with practical skills are essential to prepare new providers.
- **Certification might enhance Credibility:**
 - Obtaining certification or accreditation from recognized institutions like IANS might ensure the credibility and proficiency of HRA providers.
- **Ongoing Education and Updates:**
 - Continuous learning and staying updated with the latest guidelines and techniques are vital for the expertise in HRA.

THANK YOU

