Alberta Health Services

Alberta Cervical Cancer Screening Program

Handbook for the Implementation of HPV Test of Cure for Colposcopy Care in Alberta

September 15, 2022

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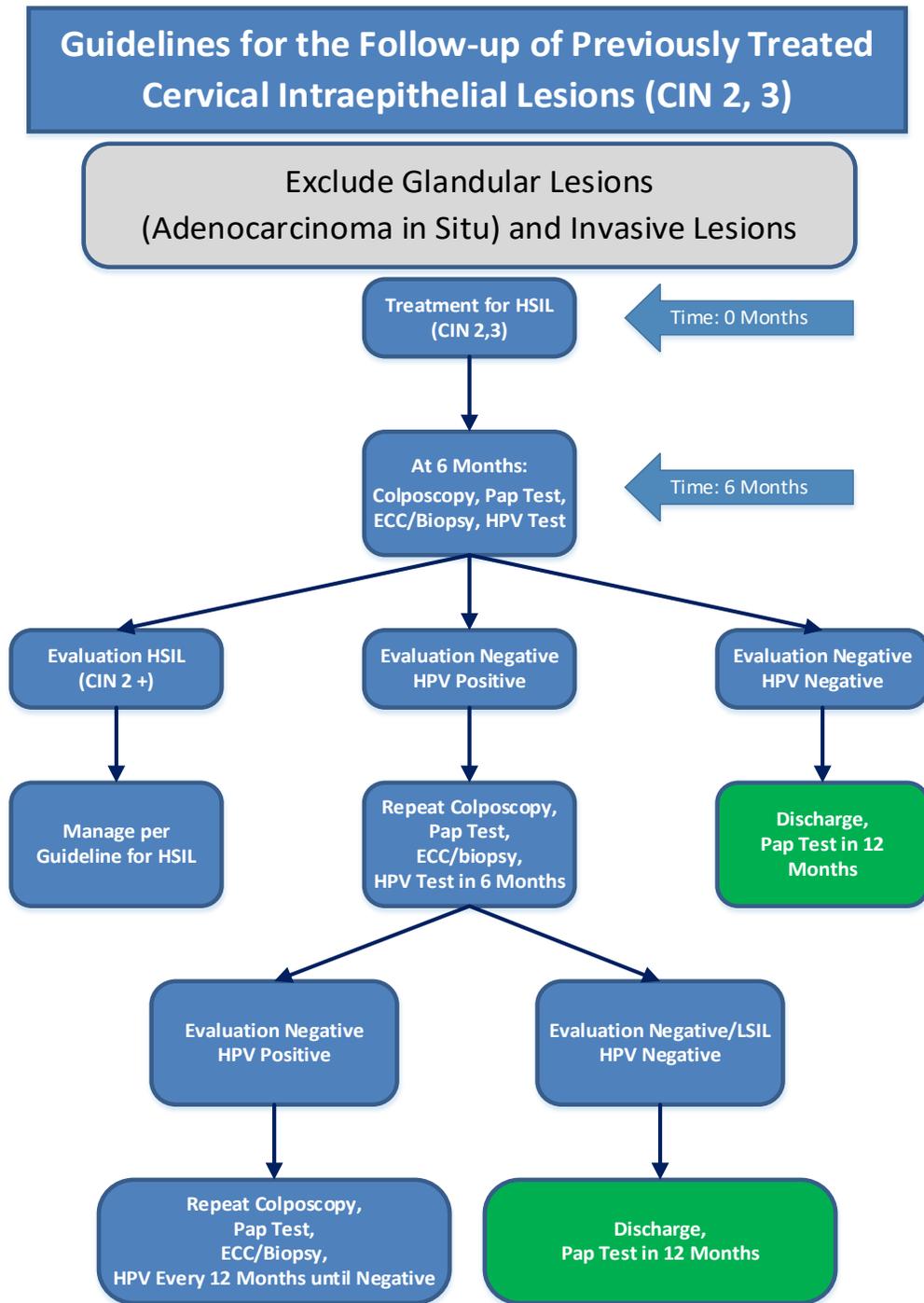| Version Number	Date Updated	Section updated/ New section added	Page #
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Version 2	September 2022	Revised document based on stakeholder feedback	All
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1. Introduction

The Human Papillomavirus (HPV) Test of Cure (ToC) intends to optimize colposcopy care pathways post high-grade (CIN 2/3) treatment, excluding glandular and invasive lesions. Beginning **September 15, 2022**, colposcopists will be able to use HPV testing as a risk stratification tool, to distinguish between patients who require further colposcopy care from those who would benefit from expedited discharge post high-grade (CIN 2/3) treatment. An economic evaluation in Alberta, Dr. Kopciuk et al., showed that HPV testing post high-grade (CIN 2/3) treatment (HPV ToC) is a cost-effective strategy.

Benefits, such as more effective and efficient colposcopy services, will result in improved patient experience, improved capacity and cost savings. Around 3,000 patients will be impacted annually, with most discharged from colposcopy care (due to negative HPV test and negative evaluation) and returned to primary care for annual cervical cancer screening.

2. HPV Test of Cure Clinical Protocol

1. Following high-grade treatment, colposcopists will use HPV ToC to determine if the patient can be discharged. See *Figure 1: HPV Test of Cure Protocol*.

2. An HPV test, in conjunction with a colposcopic assessment (evaluation) will be conducted at 6 and/or 12 months post high-grade treatment.

3. Patients who receive a negative HPV result in conjunction with a negative colposcopy assessment (evaluation) will be discharged from colposcopy care to primary care for regular cervical cancer screening. Their referring or primary care provider should be notified of this via a letter.

4. If the patient's result is HPV positive (even with a negative evaluation), they will remain in colposcopy care until a subsequent HPV ToC indicates they are HPV negative. The next HPV ToC will be conducted in 6 months.

5. Patients with a positive colposcopy assessment (evaluation) will be retreated as per the guidelines for their evaluation.

6. HPV ToC can only be ordered by colposcopists.
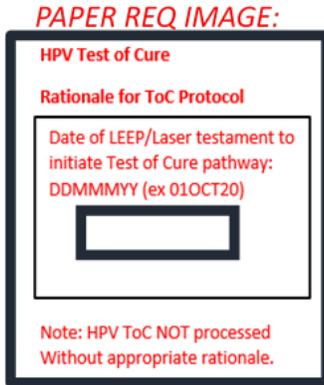
Figure 1: HPV Test of Cure Protocol

Guidelines for the Follow-up of Previously Treated Cervical Intraepithelial Lesions (CIN 2, 3)

Exclude Glandular Lesions
(Adenocarcinoma in Situ) and Invasive Lesions

Treatment for HSIL
(CIN 2,3) ← Time: 0 Months

At 6 Months:
Colposcopy, Pap Test,
ECC/Biopsy, HPV Test ← Time: 6 Months

- Evaluation HSIL (CIN 2 +)
  - Manage per Guideline for HSIL
- Evaluation Negative HPV Positive
  - Repeat Colposcopy, Pap Test, ECC/biopsy, HPV Test in 6 Months
    - Evaluation Negative HPV Positive
      - Repeat Colposcopy, Pap Test, ECC/Biopsy, HPV Every 12 Months until Negative
    - Evaluation Negative/LSIL HPV Negative
      - Discharge, Pap Test in 12 Months
- Evaluation Negative HPV Negative
  - Discharge, Pap Test in 12 Months

3. Instructions on HPV Test of Cure Ordering and Submission

3.1. Paper Requisition: Ordering and Submission

1. For clinics not operating in Connect Care, your clinic will receive a stamp from the labs via courier which would look like this:

PAPER REQ IMAGE:
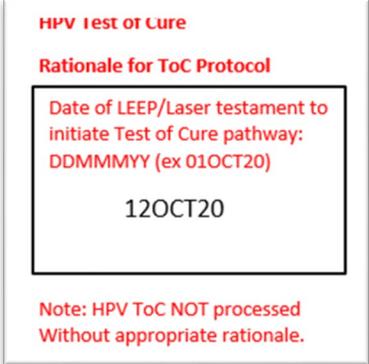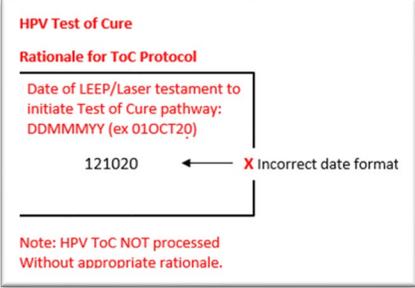
HPV Test of Cure

Rationale for ToC Protocol

Date of LEEP/Laser testament to initiate Test of Cure pathway: DDMMMYY (ex 01OCT20)

Note: HPV ToC NOT processed Without appropriate rationale.

*If you need a stamp, contact information for your lab can be found in *Section 8: Contact Information*.

2. Stamp lab requisitions ONLY IF you are ordering an HPV ToC per the above algorithm. Please do NOT stamp lab requisitions otherwise.

3. After stamping the requisition, please make sure you fill out the information requested on the stamp. See instructions below:

   a. Write the date of the LEEP/Laser treatment in the 'Rationale for Protocol' box in the format indicated, DDMMMYYYY. If this date field is NOT completed, the HPV ToC order will not be processed by the lab. See *Table 1: Example of how-to complete the stamp to request HPV Test of Cure*.

   b. If the HPV ToC order was not processed, see *Section 3.3: HPV Test of Cure Order Not Processed: Next steps*.

Table 1: Example of How-to Complete the Stamp to Request HPV Test of Cure

Processed	NOT Processed
	1. Incorrect date format 2. No date
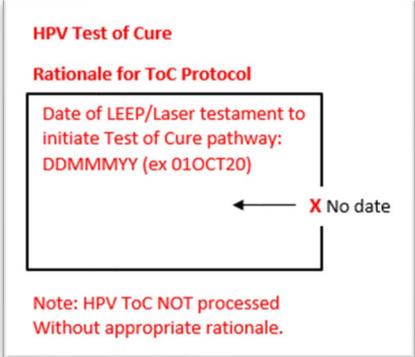
3.2. Beaker Connect Care: Ordering and Submission

1. Order gynecological cytology (Pap smear) as per usual practice.

2. In the order composer, click on the hyperlink to open the comment box as shown in *Figure 2: Connect Care - Order Composer* below.

Figure 2: Connect Care - Order Composer
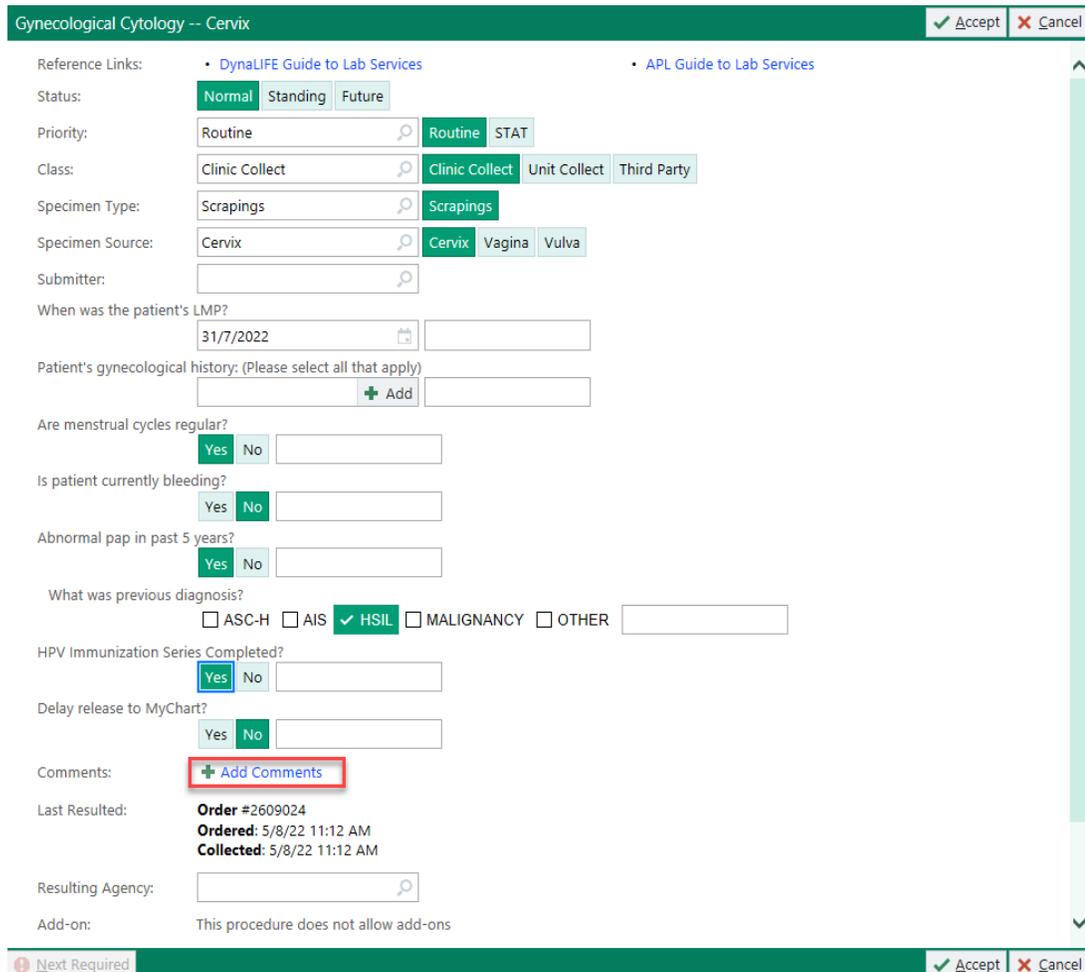
1. Type ".**HPV**" and choose HPVTOC (shown in *Figure 3: HPVTOC SmartPhrase in Connect Care SmartPhrases Options)* from the list of available SmartPhrases:

Figure 3: HPVTOC SmartPhrase in Connect Care SmartPhrases Options

1. The HPVTOC SmartPhrase will show the date of the last treatment procedure if it was documented within Connect Care, along with a request to add HPV ToC during accession (as shown in *Figure 4: HPV Test of Cure Ordering in Connect Care*).

Figure 4: HPV Test of Cure Ordering in Connect Care
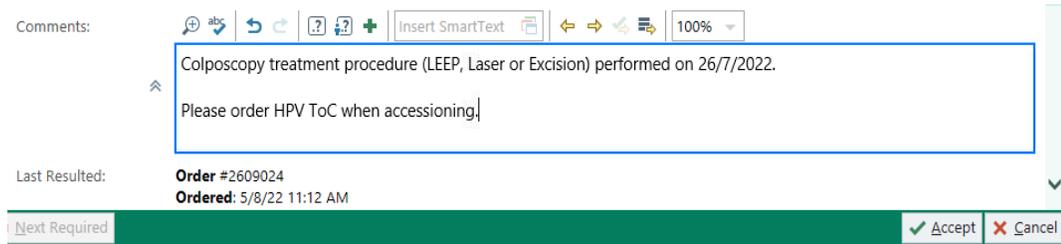
2. If the procedure was not documented in Connect Care or does not show up when you type in the smartphrase, type in the treatment type and the date that it was performed (this is needed for the lab to process the HPV request; if this is not entered the lab will not process the HPV ToC order).

3. Click Accept and sign the order.

3.3. HPV Test of Cure Order Not Processed: Next Steps

HPV ToC will not be processed if the date of LEEP/Laser is not included on the requisition.

Next Steps:

1. HPV ToC orders without a LEEP/Laser treatment date will be tagged as a minor deficiency and sent to the laboratory resolution bench.

2. Labs will contact the ordering location according to the information provided on the requisition to fix the HPV ToC requisition order. During this time (2 business days from the time issue was found) both Pap and HPV ToC requests will not be processed.

3. After this period, if the HPV ToC has not been rectified, only the Pap will be processed as a regular colposcopy cytology Pap.

4. An HPV ToC not processed message will appear in the Connect Care result as shown in *Figure 5: HPV Test of Cure Not Processed Result on Connect Care.*

5. Samples will be held for 30 days after their receipt date. Colposcopist/clinic staff can correct the HPV ToC requisition during this time.

6. If the HPV ToC is not resolved after 30 days, the sample will have to be recollected.

Figure 5: HPV Test of Cure Not Processed Result on Connect Care

Gynecological Cytology -- Cervix: DYG22-000033   Order: 2824317

Collected 8/9/2022 12:01 Status: **Final result** Visible to patient: No (not released)

0 Result Notes

Component

Interpretation

  Negative for intraepithelial lesion or malignancy (NIL)

  Electronically signed by Benjamin Alexander Adam, MD on 9/9/2022 at 1428

Comments:
HPV ToC not processed. **LEEP/Laser treatment date not provided.**
Please contact Dynalife Cytology ASAP at 780-451-3702 ext 3252.

Specimens are discarded 30 days after the receipt date.

Recommended Fol- Follow-up as clinically indicated
low-Up
Specimen Adequacy Satisfactory for evaluation
  Endocervical/Transformation zone component present
Clinical Information
  Please order HPV ToC when accessioning.
LMP 21/8/2022
Disclaimer
  This is a screening test. You may need to modify the recommendation based
  on your clinical assessment and judgement. Please refer to ACCSP/TOP Clinical
  Practice Guidelines at
  actt.albertadoctors.org/CPGs/Lists/CPGDocumentList/Cervical-Cancer-
  Screening-CPG.pdf
  For other provinces and territories, follow respective Cervical Cancer Screening
  Guidelines.
Resulting Agency EDM DLH LAB

Specimen Collected: 08/09/22 12:01   Last Resulted: 09/09/22 14:29

  Order Details   View Encounter   Lab and Collection Details   Routing
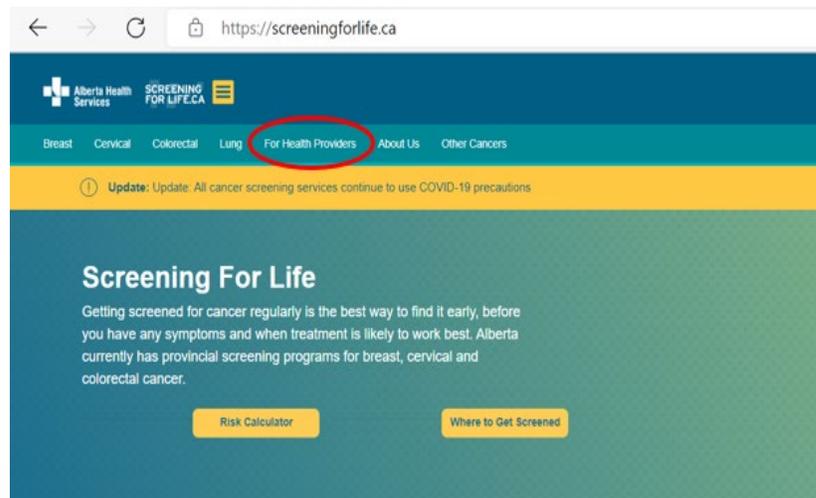
4. HPV ToC Patient Education Resource

4.1. Patient Resource: Online

An HPV ToC patient education resource is available as a downloadable PDF on the screening for life website here.
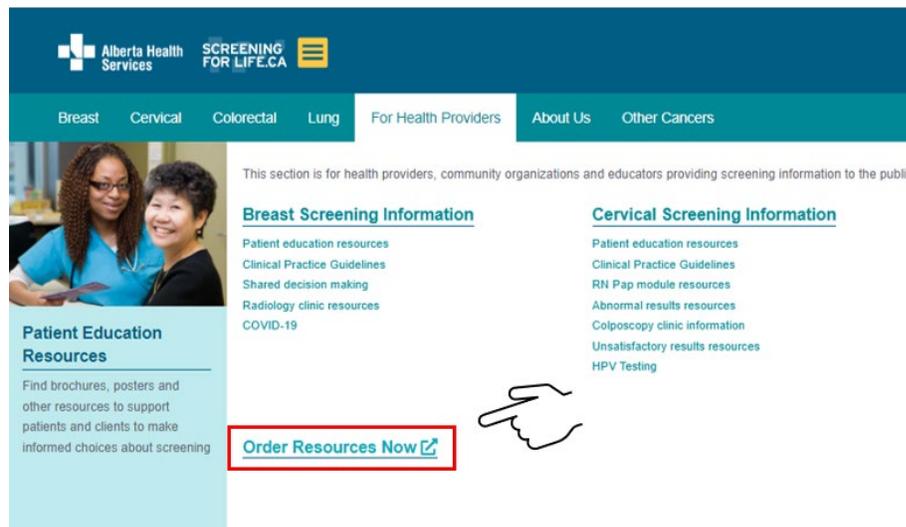
4.2. Patient Resource: Ordering Process

The following steps will show you how to order the HPV ToC patient resource for your clinic:

1) Go to ScreeningForLife.ca

2) Go to the *For Health Providers* dropdown menu and click on *Order Resources Now*

3) Click on *Catalogue* at the top then click on *Cervical Screening* on the next page

▼ Catalogues
All Items
Breast Screening
Cervical Screening
▶ Colorectal Screening
General Cancer Screening
Screen Test
Favourite Items

4) The first resource listed is the new patient *HPV Test of Cure* resource for you to order. It comes as a package of 50 tear away pages. Click *Add to Cart* once you have determined how many you would like to order. Proceed to *Checkout* once you are ready to order.

5) When filling in your clinic's information, the *Ship To* field must say **PUBLIC*. The *Shipping* and *Add to Address Book* buttons do not work properly so no need to click them.

6) After you have filled in your clinics information and entered how many packets of 50 your clinic requires, you can ***Place Order*** and the resources will be shipped to your clinic once they have been printed.

5. Monitoring and Reporting

The HPV ToC project is part of the reporting for the AHS' Sustainability Project Office and Improving Health Outcomes Together (iHOT). As such, the ACCSP will be collecting data at various points throughout the project, such as order and results. Hence, accurate data input is very important. The following are instructions to help with data collection:

5.1. Results on Paper Colposcopy Form

If you are using the paper colposcopy form to submit data to the ACCSP, please make sure you are using the most current version of the colposcopy form (current version as of July 19, 2022, should have "**21162(2022-03)**" printed in the lower left corner). If you do not have this form, please contact the ACCSP. Please enter the HPV ToC results in the ***Final Diagnosis*** section.

Figure 6: HPV ToC Results Data Field added to the Final Diagnosis

5.2. Results in Connect Care Colposcopy Smart Form

If you are using Connect Care to enter in the colposcopic examination result information for the HPV ToC results, please use these fields in your encounter entry.

Figure 7: Entering HPV ToC Results in Connect Care

5.3. Results in Sunrise Clinical Manager (SCM)

If you are using SCM to enter in the colposcopic examination result information for the
HPV ToC results, please use these fields in your data entry as shown in *Figure 8:
Entering HPV Test of Cure Results in SCM*.

Figure 8: Entering HPV Test of Cure Results in SCM

6. Communication with Primary Care Providers

6.1. Connect Care

Smart phrases have been created in Connect Care to facilitate communication with primary healthcare providers (see *Figure 9: HPV ToC Discharge Letter to Referring Primary Healthcare Provider in Connect Care*).

This HPV ToC discharge letter template is only available if the patient has been discharged and the HPV ToC result is recorded as negative. In this case, the letter template with the QR code will be added automatically.

Otherwise, if a patient has been discharged with no HPV results, then no HPV ToC information or QR code will show up on the letter template.

Figure 9: HPV ToC Discharge Letter to Referring Primary Healthcare Provider in Connect Care

Thank you for referring Louanne to colposcopy clinic.
This letter will update your records and determine further actions required, if any.
Louanne was seen at RAH Lois Hole Hospital for Women Colposcopy Clinic on 5/8/2022.

Last Filed Cervical Cancer Screening

Final Diagnosis Cervix	Negative
Final Diagnosis HPV (Test of Cure)	Negative
Follow-up Recommendation	Discharge from Colposcopy - Screening Cytology
Follow-up Details	Book appointment for Pap test at 12 months at your office/clinic recommended. Refer to TOP Clinical Practice Guidelines.
Provider Name	Simrit Kaur Brar, MD
Provider Signed Date/Time	6/9/2022 11:14 AM

Please access Netcare to view Louanne's colposcopy history.
Louanne is being discharged from colposcopy for follow-up in primary care, her next Pap test is due 6/9/2023
Louanne requires continued cervical screening as per Clinical Practice Guidelines (CPGs) If any related or new abnormalities develop, we would be happy to see her again.

To learn more about HPV Test of Cure, go to healthcare providers page on

screeningforlife/healthcareproviders
Please contact me if you have any questions regarding Louanne's care.

Sincerely,

6.2. Clinics not on Connect Care

Clinics not currently on Connect Care can use *Appendix B: Colposcopy HPV Test of Cure Discharge Letter* as a letter template to send primary healthcare providers when discharging patients back into their care.

7. Frequently Asked Questions (FAQs)

When can I start using the HPV ToC protocol?
- Colposcopists can begin ordering the HPV ToC on **Thursday, September 15, 2022**.

Can I order the HPV ToC for ALL my patients?
- No, only patients who meet the [protocol](#) (*Figure 1: HPV Test of Cure Protocol*) should have the HPV ToC ordered.

Who can use the HPV ToC protocol?
- Only colposcopists can order the HPV ToC test. If an HPV ToC is submitted by a physician who is not performing colposcopy, it will not be processed by labs.

Can I order the HPV ToC for patients that have been treated for adenocarcinoma in situ?
- As per the [protocol](#) (*Figure 1: HPV Test of Cure Protocol*), only patients treated for high-grade lesions meet the eligibility for HPV ToC.

Can I order the HPV ToC without a cytology Pap?
- No, at this time all HPV ToC orders <u>MUST</u> be made with a cytology Pap.

Would I require a special HPV swab?
- No, the test will not require a special HPV swab, you just need to order the HPV ToC with the cytology.

What are the anticipated outcomes expected from the new HPV ToC process?
- Improved patient experience.
- Fewer appointments required to complete the assessment, treatment and follow-up colposcopy cycle.
- Risk stratification tool for colposcopists to help distinguish women who require discharge or further care.

The HPV ToC I submitted was not processed and/or was rejected by the labs. Why?
- Could be due to various factors including not providing the date of LEEP/laser treatment or the date is listed incorrectly.
- If you believe you followed the protocol correctly, please contact your respective lab using the contact information found in *Section 8: Contact Information*.

What is the 'catch up' window for HPV ToC regarding patients that present late for their post LEEP follow-up or have been seen 2 or more times post LEEP?

- Must have had a LEEP/Laser as per the protocol.

Can primary healthcare providers refer previously treated high-grade patients that have been discharged from colposcopy for HPV ToC?

- No, the HPV ToC is only for patients currently being managed in colposcopy. See protocol.

What metrics will the ACCSP and Improving Health Outcomes Together (IHOT) be tracking during this project?

- Number of tests ordered.
- How often practice aligned with protocol.
- Test results.
- Wait times.
- Patient outcomes.

How do I submit the HPV ToC to the lab?

- See *Section 3.0 Instructions on HPV Test of Cure Ordering and Submission* for specific instructions.

For more information on Connect Care Colposcopy Episodes, Workflow and Results go to CMIO Colposcopy Manual (albertahealthservices.ca).

8. Contact Information

Colposcopy contacts:

Dr. Sarah Glaze: Sarah.Glaze@albertahealthservices.ca

Dr. Janelle Sabourin: Jeanelle.Sabourin@albertahealthservices.ca

Dr. Tiffany Wells: Tiffany.Wells@albertahealthservices.ca

Laboratory contacts:

Dynalife: Jacqueline Carter at (780) 451-3702 ext. 3207.

Alberta Precision Labs: Leah Schultz at (403) 770-3262.

Connect Care Beaker contact:

For any HPV Test of Cure issues in Connect Care: Colleen Gates at (403) 910-3189.

Alberta Cervical Cancer Screening Program

Se-Inyenede Onobrakpor (Program Coordinator) at ACCSP@ahs.ca or (403) 910-6402.

Appendix A: Colposcopy Clinics

North Zone			
Colposcopy Clinic Name	**Location**	**Connect Care**	**Require Stamp**
Bonnyville Healthcare Centre	Bonnyville	Wave 7 – November 5, 2023	✓
• Dr. Alina Kaznacheyeva			
Cold Lake Healthcare Centre	Cold Lake	Wave 7 – November 5, 2023	✓
• Dr. Atossa Mahdavi			
Cross Cancer Institute (CCI)	Edmonton	Wave 5 – November 6, 2022	✓
• Dr. Jeanelle Sabourin • Dr. Derek Fraser			
• Dr. Amanda Romanovsky • Dr. Valerie Capstick			
• Dr. Martine Roy • Dr. Nan Schuurman			
• Dr. Christa Aubrey • Dr. Helen Steed			
• Dr. Sophie Pin (**STCH** & **RAH**)			
Ross Creek Medical Centre	Fort Saskatchewan		✓
• Dr. Adel Abdulhafid			
Dr. Apantaku, Olubukola	Red Deer		✓
Dr. Cassis, Irene	Red Deer		✓
Dr. Cham, Christopher	Red Deer		✓
Summit Centre	St. Albert		✓
• Dr. Eva DeDoming			
Dr. Lukwinski, Angelina	Red Deer		✓
Dr. Oyewole, Olusegun	Fort Saskatchewan		✓
Dr. Pink, Phillip	Red Deer		✓
Dr. Whitford, Amber	Red Deer		✓
Dr. Wiebe, Kevin	Red Deer		✓
Grande Prairie Cancer Center	Grande Prairie	✓	
• Dr. Modupe Omole • Dr. Drew Barreth			
• Dr. Laura Cano • Dr. Christa Delacruz			
Grey Nuns Community Hospital	Edmonton	✓	
• Dr. Thomas Corbett			
Lloydminster Women's Clinic	Lloydminster		✓
• Dr. Musbah Abourhamra • Dr. Turia Elghdewi			
Misericordia Hospital (MH)	Edmonton	✓	
• Dr. Amanda Kim • Dr. Ashley Fyfe-Brown (**RAH** & **STCH**)			
• Dr. Tiffany Wells (**RAH**)			
Northern Lights Regional Health Center	Fort McMurray	Wave 7 – November 5, 2023	✓
• Dr. Young Phiri			
Royal Alexandra Hospital (RAH)	Edmonton	✓	

Colposcopy Clinic Name	Location	Connect Care	Require Stamp
• Dr. Ashley Fyfe-Brown (**STCH** & **MH**)	• Dr. Jingwei Wang (**STCH**)		
• Dr. Dan Hodges (**STCH**)	• Dr. Sophia Pin (**STCH** & **CCI**)		
• Dr. Gulnaz Jiwa (**STCH**)	• Dr. Tiffany Wells (**MH**)		
Strathcona Community Hospital (STCH)	Sherwood Park	✓	
• Dr. Ashley Fyfe-Brown (**RAH** & **MH**)	• Dr. Jingwei Wang (**RAH**)		
• Dr. Dan Hodges (**RAH**)	• Dr. Sophia Pin (**RAH** & **CCI**)		
• Dr. Gulnaz Jiwa (**RAH**)			
Wetaskiwin Hospital	Wetaskiwin	Wave 5 – November 6, 2022	✓
• Dr. Mohammed Badawi			

South Zone			
Colposcopy Clinic Name	**Location**	**Connect Care**	**Require Stamp**
Canmore Hospital	Canmore	✓	
• Dr. Lisa Teitelbaum	• Dr. Katrina Krakowski		
• Dr. Christine Osborne			
Chinook Regional Hospital	Lethbridge	Wave 7 – November 5, 2023	✓
• Dr. Sara Wozney	• Dr. Tara Daley		
• Dr. Jaye Malach	• Dr. Jennifer Galdon		
• Dr. Yurui Gu			
Wild Rose Medical Clinic	High River		✓
• Dr. Karen Bailey	• Dr. Harry Mueller		
Dr. Cenaiko, David	Calgary		✓
Dr. Murphy, Magnus	Calgary		✓
Medicine Hat Regional Hospital	Medicine Hat	Wave 7 – November 5, 2023	✓
• Dr. Duncan McCubbin	• Dr. Kristin Hoffman		
Women's Health Clinic	Calgary	Wave 5 – November 6, 2022	✓
• Dr. Jaelene Mannerfeldt	• Dr. Wynne Leung		
• Dr. Paul Henning	• Dr. Brian Hauck		
• Dr. Susan Baranowski	• Dr. Gail Lam		
• Dr. Charlene Lyndon	• Dr. Vivian Chang		
• Dr. Jill Nation	• Dr. Albert Rosengarten		
• Dr. Sheila Caddy	• Dr. Greeg Nelson		
• Dr. Sarah Glaze	• Dr. Pamela Chu		
• Dr. Prafull Ghatage	• Dr. Meriah Fahey		

Appendix B: Colposcopy HPV Test of Cure Discharge Letter

Date:

Colposcopy Clinic Name / Address

Patient Information
Name:
Birthdate:
Sex:
ACB#:
Alberta PHN #:
Age:

Referring Physician: [Name]

Thank you for referring the above patient to our clinic [Colposcopy Clinic].

Initial assessment was [Result Type] on [Date].

Patient treated with LEEP/LASER on [Date].

Post LEEP/LASER assessment and HPV ToC were negative.

[Patient name] is being discharged from [Colposcopy Clinic] for follow-up in primary care. Next Pap test is due [Date].

[Patient name] requires continued cervical screening as per Clinical Practice Guidelines (CPGs). If any related or new abnormalities develop, we would be happy to see [Patient name] again.

To learn more about HPV Test of Cure, go to healthcare providers page on screeningforlife/healthcareproviders or scan the QR code below.

Please contact me if you have any questions regarding [Patient name] care.

Sincerely,

[Colposcopist's Name]

This report is disclosed to the providers copied per HIAs 35(f)(b) for continuing care and is privileged and confidential. If you received it in error, please phone the Colposcopy Clinic.