

Handbook for the Implementation of HPV Test of Cure for Colposcopy Care in Alberta September 15, 2022



Alberta Health Services Alberta Cervical Cancer Screening Program Screening Program

Table of Contents

Intr	oduction	3
HΡ\	/ Test of Cure Clinical Protocol	3
Inst	ructions on HPV ToC Ordering and Submission	5
3.1.	Paper Requisition: Ordering and Submission	5
3.2.	Beaker: Ordering and Submission	6
3.3.	HPV Toc Order not Processed: Next Steps	8
Pati	ient Education Resource	9
4.1.	Patient Resource: Online	9
1.2.	Patient Resource: Ordering process	9
Мо	nitoring and Reporting	9
5.1.	Results in Colposcopy Form	9
5.2.	Results in Beaker	11
5.3.	Results in Sunrise Clinical Manager (SCM)	12
Con	nmunication with Primary Healthcare Providers	13
Free	quently Asked Questions (FAQs)	16
For	more information	16
App	pendix	16
	HPN Inst 3.1. 3.2. 3.3. Pat 4.1. 4.2. Mo 5.1. 5.2. 5.3. Cor Free	3.2. Beaker: Ordering and Submission



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 lesions 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 Test of Cure) 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 Test of Cure 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 negative evaluation), they will remain in colposcopy care until a subsequent Test of Cure indicates they are HPV negative. The next Test of Cure 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 Test of Cure can only be ordered by colposcopists.



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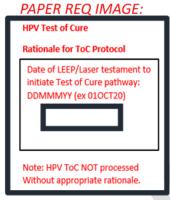
Figure 1: HPV Test of Cure Protocol

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** Time: 0 Months (CIN 2,3) At 6 Months: Time: 6 Months Colposcopy, Pap Test, ECC/Biopsy, HPV Test **Evaluation HSIL Evaluation Negative Evaluation Negative** (CIN 2 +) **HPV Positive HPV Negative** Repeat Colposcopy, Discharge, Manage per Pap Test, Pap Test in 12 **Guideline for HSIL** ECC/biopsy, **Months HPV Test in 6 Months Evaluation Negative/LSIL Evaluation Negative HPV Positive HPV Negative** Repeat Colposcopy, Pap Test, Discharge, ECC/Biopsy, Pap Test in 12 Months **HPV Every 12 Months until Negative**



- 3. Instructions on HPV ToC 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 in the mail. Stamp should look like this:

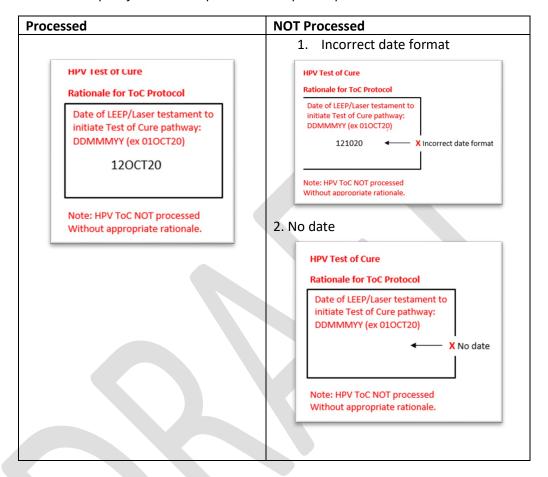


*See contact list (Appendix 1) if you need help obtaining a stamp.

- 2. Stamp lab requisition 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, DDMMMYYY. If this date field is NOT completed, the HPV ToC order will not be processed by lab. See table 1 below.
 - b. If HPV ToC order was not processed, see section 3.3 for next steps



Table 1: Example of how-to complete the stamp to request HPV ToC



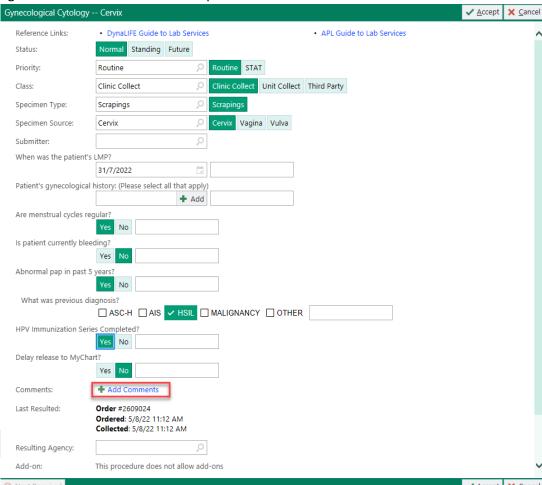
3.2. Beaker Connect Care: Ordering and Submission

- 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 below.



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Figure 2: Connect care - Order composer



3. Type ".HPV" and choose HPVTOC (shown in Figure 3) from the list of available SmartPhrases:

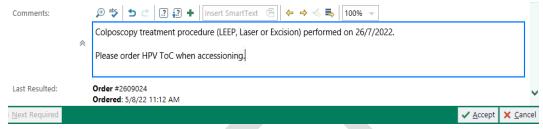
Figure 3: HPVTOC SmartPhrase in Connect care SmartPhrases options

<u> </u>	· · · · · · · · · · · · · · · · · · ·
Name	Description
☆ HPVTOC	Phrase to be used when ordering Gyn Cytology after colposcopy pat
☆ HPVINDETERMINATE	HPV Insufficient/Indeterminate (High Risk Panel by Transcription
☆ HPVNEG	HPV Negative (High Risk Panel by Transcription Mediated Amplifica
☆ HPVPOS	HPV Positive (High Risk Panel by Transcription Mediated Amplifica



4. 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).

Figure 4: HPV ToC ordering in Connect Care



- 5. If the procedure was not documented in CC 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 this HPV ToC order).
- 6. Click Accept and sign the order.

3.3 HPV ToC Order Not Processed: Next steps

HPV ToC will not be ordered if the date of LEEP/Laser were not included in the requisition.

Next Steps:

- 1. If your Lab service is APL:
 - Still within retention date (30 days from date of accessioning), ordering providers can call the cytology department phone number to resolve missing treatment date error.
 - Results are available in in-basket once lab signs out. For rejected HPV ToC, "flagged important".
 - After the retention date: the provider has to recollect the sample. To avoid this ensure complete requisition orders.



- 2. If DynaLife is your Lab service: ordering providers (Colposocpists) call lab directly. Add contacts.
 - Results are available in in-basket once lab signs out. For rejected HPV ToC, a "flagged important".
 - After the retention date: the provider has to recollect the sample. To avoid this ensure complete requisition orders.

4. Patient Education Resource

4.1. Patient Resource: Online

Patient education resource on HPV ToC is available (as downloadable PDF) on screening for life website here.

4.2. Patient Resource: Ordering process

Add once available

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:

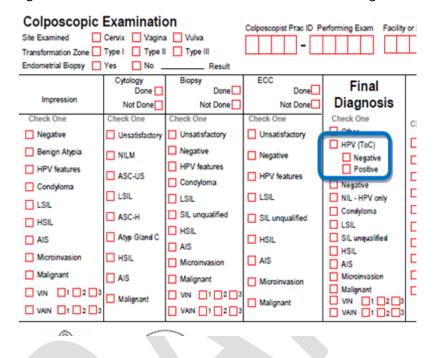
5.1. Results on PAPER Colposcopy Form

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 on lower left corner). If you do not have this form, please contact the ACCSP. Please enter in the HPV ToC results in the 'Final Diagnosis' section.



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Figure 5: HPV ToC Results Data Field added to the Final Diagnosis

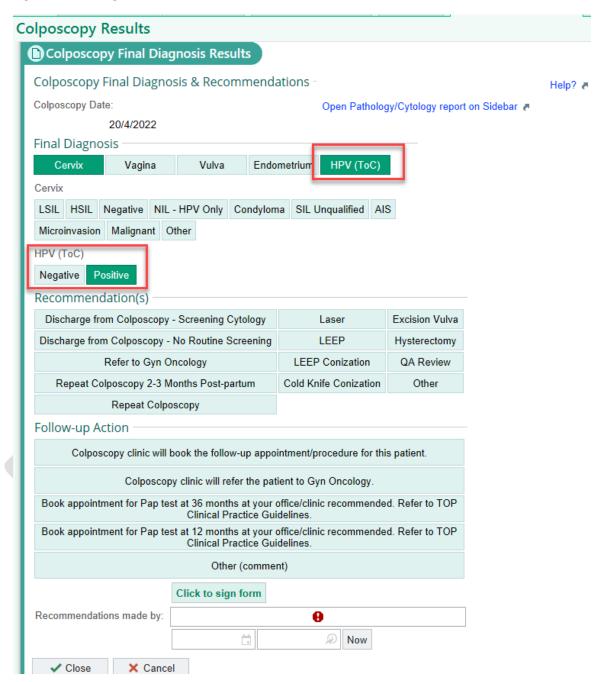


5.2. Results in Connect Care Colposcopy Smart Form

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 6: Entering HPV ToC Results in Connect Care

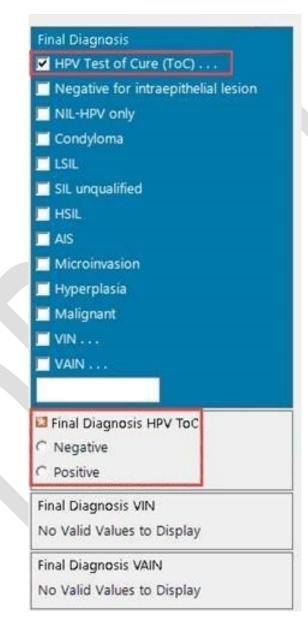




5.3. Results in Sunrise Clinical Manager (SCM)

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 7.

Figure 7: Entering HPV ToC Results in SCM





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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 8 below).

Figure 8: HPV ToC Discharge letter to referring primary healthcare provider in Connect Care

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

Last Filed Cervical Cancer Screening

Final Diagnosis Cervix Final Diagnosis HPV (Test of Cure) Follow-up Recommendation

Follow-up Details

Provider Name Provider Signed Date/Time

Negative Negative Discharge from Colposcopy - Screening Cytology Book appointment for Pap test at 12 months at your office/clinic recommended. Refer to TOP Clinical Practice Guidelines.

Simrit Kaur Brar, MD 23/8/2022 7:19 AM

Please access Netcare to view Sandra's colposcopy history.

Sandra is being discharged from colposcopy for follow-up in primary care, her next Pap test is due 23/8/2023

Please be advised that Sandra 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 www.screeningforlife Please contact me if you have any questions regarding Sandra's care.

Sincerely,

6.2 Paper

HPV ToC Discharge Template for primary health care providers for colposcopists not on Connect Care.

Figure 9: HPV ToC Discharge Letter to referring primary health care providers



COLPOSCOPY HPV Test of Cure DISCHARGE LETTER

Thank you for referring the above patient to our clinic (clinic name).

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 (Colpo clinic) for follow-up in primary care. Next Pap test is due

(Patient's 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's name) 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 (patient's name) care.

Colposcopist's name

7. Frequently Asked Questions (FAQs)

When can I start using the HPV ToC protocol?

Colposcopists can start order the HPV ToC on Thursday, September 15, 2022.

Can I order an HPV ToC for ALL my patients?

NO. Only patients who meet the <u>protocol</u> (Figure 1 above) should have HPV ToC ordered.

Who can use the HPV ToC protocol?

Only colposcopists can order 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 HPV ToC for patients that have been treated for adenocarcinoma in situ?

Only patients treated for high grade lesions as per <u>protocol</u> (figure 1) meet the eligibility for HPV ToC.

Would I require a special HPV swab?

No. The test will not require a special HPV swab, you just need to order the HPV Test of Cure 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 those women who require discharge or further care

Lab just rejected and/or not processed an HPV ToC order. Why?

- Could be due to various factors including not providing the date of LEEP/laser treatment or date is listed incorrectly.
- If you believe you followed the protocol correctly, please contact xx

What is the "catch up" window for HPV ToC in case of patients that present late for their post LEEP follow-up or for patients that are being seen for 2nd or subsequent visits post LEEP?

Must have had LEEP/Laser as per protocol

What metrics will the ACCSP and SPO/IHOT be tracking during this project?

- How often protocol is followed for orders for HPV ToC
- Patient outcomes

How do I submit the test to the lab?

Please see section 3.0 for specific instructions.



8. For more information

Colposcopy contacts:

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

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

Dr. Tiffany Wells: <u>Tiffany.Wells@albertahealthservices.ca</u>

Laboratory contacts:

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

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

ConnectCare Beaker contact:

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

Alberta Cervical Cancer Screening Program

Contact Se-Invenede Onobrakpor, Program Coordinator, Alberta Cervical Cancer Screening Program ACCSP@ahs.ca or (403) 910-6402.



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Appendix A: Clinics on Connect Care and those that require a stamp

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. De	rek Fraser	
Dr. Amanda Romanovsky	• Dr. Va	lerie Capstick	
Dr. Martine Roy	• Dr. Na	n Schuurman	
Dr. Christa Aubrey	• Dr. He	elen 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	<i>y</i>	~
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. Dr	ew Barreth	
Dr. Laura Cano	• Dr. Ch	rista Delacruz	
Grey Nuns Community Hospital	Edmonton	✓	
Dr. Thomas Corbett			
Lloydminster Women's Clinic	Lloydminster		~



Alberta Health Alberta Cervical Cancer Services Screening Program **Screening Program**

Dr. Musbah Abourhamra	• Dr. Tu	ria Elghdewi							
Misericordia Hospital (MH)	Edmonton	✓							
Dr. Amanda Kim	• Dr. As	hley Fyfe-Brown (RAH & STCH)							
Dr. Tiffany Wells (RAH)									
Northern Lights Regional Health	Fort McMurray	Wave 7 – November 5,	~						
Center		2023							
Dr. Young Phiri									
Royal Alexandra Hospital (RAH)	Edmonton	✓							
• Dr. Ashley Fyfe-Brown (STCH &	MH) ● Dr. Jin	gwei Wang (STCH)							
 Dr. Dan Hodges (STCH) 	• Dr. So	phia Pin (STCH & CCI)							
 Dr. Gulnaz Jiwa (STCH) 	• Dr. Tif	fany Wells (MH)							
Strathcona Community Hospital	Sherwood Park	~							
(STCH)									
Dr. Ashley Fyfe-Brown (RAH & I	MH) • Dr. Jin	gwei Wang (RAH)							
 Dr. Dan Hodges (RAH) 	• Dr. So	phia Pin (RAH & CCI)							
Dr. Gulnaz Jiwa (RAH)									
Wetaskiwin Hospital	Wetaskiwin	Wave 5 – November 6,	~						
		2022							
Dr. Mohammed Badawi									
 Dr. Mohammed Badawi South Zone 									
	Location	Connect Care	Require Stamp						
South Zone	Location Canmore	Connect Care							
South Zone Colposcopy Clinic Name	Canmore	Connect Care ✓ trina Krakowski							
South Zone Colposcopy Clinic Name Canmore Hospital	Canmore	~							
South Zone Colposcopy Clinic Name Canmore Hospital • Dr. Lisa Teitelbaum	Canmore	~							
South Zone Colposcopy Clinic Name Canmore Hospital Dr. Lisa Teitelbaum Dr. Christine Osborne	Canmore • Dr. Ka Lethbridge	trina Krakowski Wave 7 – November 5,							
South Zone Colposcopy Clinic Name Canmore Hospital • Dr. Lisa Teitelbaum • Dr. Christine Osborne Chinook Regional Hospital	Canmore • Dr. Ka Lethbridge • Dr. Ta	trina Krakowski Wave 7 – November 5, 2023							
South Zone Colposcopy Clinic Name Canmore Hospital	Canmore • Dr. Ka Lethbridge • Dr. Ta	trina Krakowski Wave 7 – November 5, 2023 ra Daley							
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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

Thank you for referring the above patient to our clinic (clinic name).

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 (Colpo clinic) for follow-up in primary care. Next Pap test is due (date).

(Patient's name) requires continued cervical screening as per <u>Clinical Practice Guidelines (CPGs)</u>. If any related or new abnormalities develop, we would be happy to see (patient's name) 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 (patient's name) care.

Sincerely,

Colposcopist's name