

**National Library of Medicine
NLM CervigramFinder and Boundary Marking Tool
Survey**

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Instructions:

1. Read the overview sheet about the Boundary Marking Tool and CervigramFinder
 2. If possible, see the Boundary Marking Tool and CervigramFinder demonstrations here at the ASCCP meeting at the National Library of Medicine table.
 3. Take the survey and return it to the National Library of Medicine table.
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Survey Questions:

1. **What is your occupation?** (check all that apply)
 - € Clinician/patient care
 - € Biomedical research
 - € Biomedical education
 - € Other (Specify): _____
2. **Which of the following visual assessments do you make?** (check all that apply)
 - € Colposcopy
 - € Cervix histology
 - € PAP test
 - € Other _____
3. **How do you maintain records for patients that require colposcopic assessment?** (check all that apply)
 - € Paper notes without cervix diagram
 - € Paper notes with marks on cervix diagram
 - € Electronic records without cervix diagram
 - € Electronic records with marks on cervix diagram
 - € Electronic records with markup on digital image of the patient cervix acquired during colposcopic assessment
4. **Rate the importance of each factor below in computer software you would want to use in your work.**

	Very Important	Important	Moderately Important	Of Little Importance	Very Unimportant
I should be able to use it anywhere through a Web browser	5	4	3	2	1
It should have a simple interface	5	4	3	2	1
It should have fast response to my actions	5	4	3	2	1
It should let me view medical images	5	4	3	2	1
I should be able to understand its use without a manual or online help	5	4	3	2	1
It should let me annotate medical images	5	4	3	2	1
It should help me exchange patient case data with my colleagues	5	4	3	2	1
It should help me in self-training and self-evaluation for biomedical education.	5	4	3	2	1
It should work as expected, without my asking for help, 95% (or more) or the time.	5	4	3	2	1
It should work as expected, without my asking for help, 99% (or more) of the time.	5	4	3	2	1
It should help me to find medical literature related to my patient's case	5	4	3	2	1
It should help me to find all of my patient's records, but I don't care about the images	5	4	3	2	1
It should help me to find all of my patient's records, including the images.	5	4	3	2	1
It should help me find patients with case histories similar to my patient's and view their management and outcomes	5	4	3	2	1
It should let me find images (colposcopy cervix image, for example) that are <u>visually similar</u> to my patient's clinical image and view the corresponding visual and/or laboratory diagnoses	5	4	3	2	1
It should let me search a database of patient records, including images, for records where a patient clinical image is <u>visually similar</u> to my patient's clinical image. (For example, you have a colposcopy image with acetowhite lesion with a coarse punctuation. You want to see visual and lab diagnoses for patients with visually similar colposcopy images.)	5	4	3	2	1
It should help me view, side-by-side, all of the images for my patient: colposcopy, PAP test, and histology (assume each of these is available as a digitized image).	5	4	3	2	1
It should help me view the evolution of lesions in the cervix of my patient over time.	5	4	3	2	1

5. The **Boundary Marking Tool** allows you to use the mouse to manually draw a boundary curve around a region of interest on a medical image. If you could record a digital image of the cervix, how would you use this tool in your work? (Check all that apply)

- I would not use this tool in my work.
- I would use it to record points where I will biopsy.
- I would use it to record a permanent record of my patient's cervix and lesions/features I observed.
- I would use it to mark regions for consultation with my colleagues.
- I would use it to mark regions for biomedical education of my students.
- I would use it to mark regions for my biomedical research.

6. The **Boundary Marking Tool** may be augmented with the capability to automatically mark the boundaries of regions on colposcopic cervix images, for example, acetowhite regions. However, the boundaries may require manual correction. Which of the following describes your feeling about this capability? (Check all that apply)

- I do not want the program to mark boundaries. I prefer to do that myself.
- I'm willing to correct the program's marking of boundaries if the required changes are minor.
- I want to see the program's results and fix them, whatever they are.

7. **CervigramFinder** allows you to use the mouse to manually draw a boundary curve around a region of interest on a medical image and use that as a visual query to find images with similar visual characteristics. It would be possible to not only find similar images, but also see patient histories of those that exhibit similar visual characteristics of the disease. How would you use this tool in your work? (Check all that apply)

- I would not use this tool in my work.
- I would use it to find interesting cases for biomedical education of my students.
- I would use it for my biomedical research.
- I would use it in my work as follows:

8. The **Boundary Marking Tool** and **CervigramFinder** are taxpayer-funded software developed by the National Library of Medicine, part of the National Institutes of Health. Which of the following best describes your feeling about the **licensing of these tools**? (Check one only)

- The tools should be freely available to the public with no restrictions on their use.
- Their use should be restricted in accordance with policy that should be set by the National Library of Medicine.
- Other (Explain): _____

The National Library of Medicine is interested in developing technology that fits into the practical needs and workflow of the biomedical community. Which of the following best describes your interest in helping to develop this technology? (Check one only)

Yes, I am interested in being a tester/early user of National Library of Medicine technology.

Name: _____ E-mail: _____

Sorry, I can't help.

Note: The contact information you provide will not be associated with the results from this survey and will not be used for any other purpose.