

Pathologist/Resident: Gyn. Cyto. Beaker AP Guide:



Resulting Abnormal Results:

Abnormal results are reviewed by a resident or fellow (or both) before an attending cytopathologist looks at the case.



Refer to the **Pathologist/Resident Basics Guide** for more information about finding cases in the Outstanding List and working in Case Results.

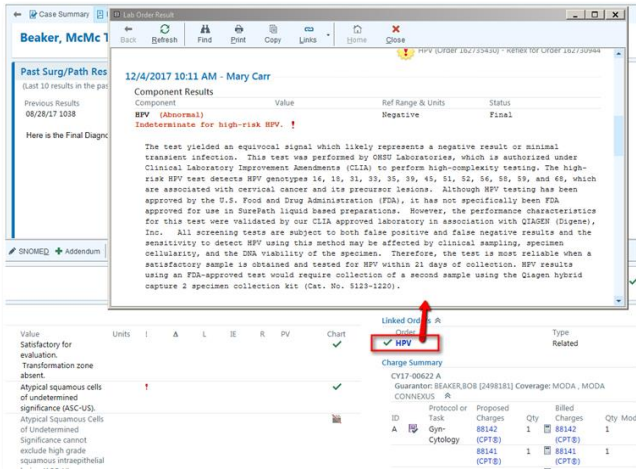
Residents/Fellows:

1. Cases that need to be resultated or reviewed before signout appear on the **Outstanding List**. You can get to the **Outstanding List** by clicking on the  tab of your startup activities or clicking the **Outstanding List** link from your Dashboard.
 - a. Make sure you are viewing the **Outstanding List-Cytology** view. To change your view, click on the  **Views** and selecting a view from the list. The cases that are abnormal should be assigned to you.
2. To enter results for an abnormal case, scan the barcode of the slide to enter **Case Results**. You can also double click on the case in the Outstanding List to open Case Results.
3. Once in Case Results, click on the **Results** button on the middle toolbar.
4. Review the clinical history for the patient.
 - a. **Clinical History component in Case Results** - While in Case Results, click on the **Clinical History** component on the left side of the screen. You will see any clinical history comments that either the OR, accessioner or grosser added to this particular case directly.
 - b. **History Button in Case Results** – By clicking the **History** button, you will get a list of past AP cases for this patient. By selecting a case on the list to the left, the case information will display on the right side.
 - c. **Case Summary** and **Current Case Info** button in **Case Results** - You can add buttons to your Case Results button bar: **Path History (default)** will show a summary of past results. **Current Case Info** that will show a cleaner summary of the case results. It is similar to using the 'Preview Case Report' button without the extra print letterhead sections. **Case Summary** shows the collection questions, list of specimens, and tasks. (See the **Pathologist/Resident Basic Guide** for instructions on how to add these buttons.)
 - d. **Patient Chart** – Click the **Patient Chart** link (under the Inquiries column) on your Beaker AP Lab Dashboard. Type in the MRN for the patient in question and click the **Accept** button. This will give you access to the patient's complete chart. The **Encounters tab** will detail any events and notes that the patient has had. The **Lab tab** will list any blood or body fluid tests that have been run on this patient. The **Path tab** lists the AP cases that this patient has as well as the status of those cases (same as the **History** button in **Case Results**).



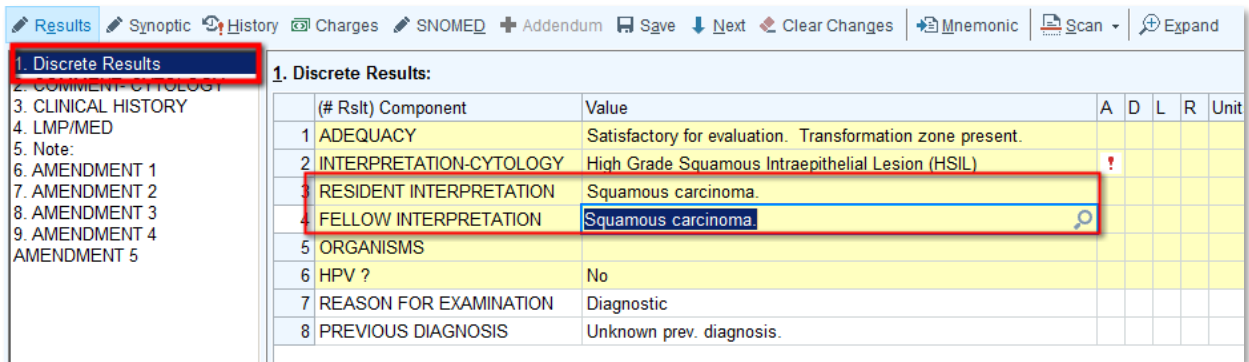
Refer to the **Pathologist/Resident Basics Guide** for screenshots of these 4 activities.

- If the HPV results have been verified, they should be displayed on the right side of the screen with a green checkmark. Review the HPV results by clicking on the link.

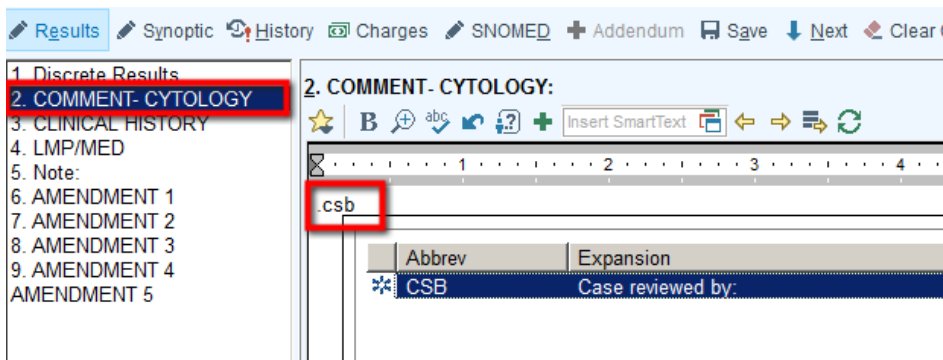


6. Don't change the results in INTERPRETATION-CYTOLOGY!

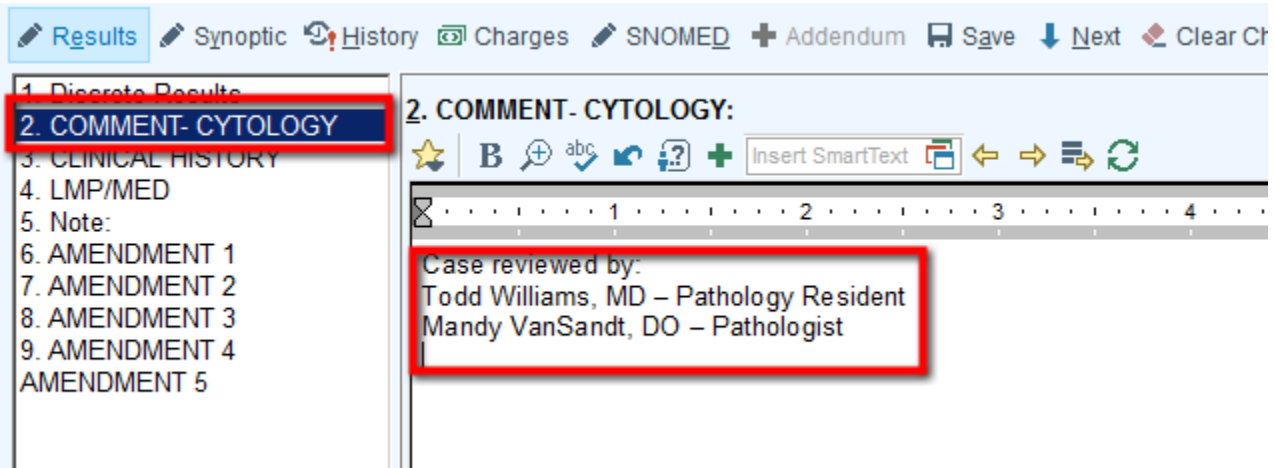
- If the resident/fellow **agrees** with the abnormal result, then click on the magnifying glass in the **Value** field that is appropriate to the student's role and select the same choice as the cytotech chose.
- If the resident/fellow **disagrees** with the result, then click on the magnifying glass in the Value field that is appropriate to the student's role. Choose the appropriate interpretation answer.
- Neither student interpretation field will be seen in the patient's chart when the case is signed out.



- Click on the **Comment-Cytology**: component on the left of the window. Click under any existing text and type **.csb** and press Enter.



- That will insert **Case reviewed by:** and 1 set of ***. Click your cursor in the “Case Reviewed by:” text and press F2. That will select the ***’s. Type your .name phrase. Press Enter. Also, type in the names of the Cytotechnologist who worked on the case, any other residents/fellows who were involved in the case and the staff pathologist’s name and title.



Adding your name to the “Case Reviewed by” is very important, as it is the method that your involvement in the case will be tracked for cytology cases for any cumulative reports on number of cases you are involved with.



- Click the **Save** button on the middle toolbar.
- Double check every component in the Case Results activity to make sure everything looks correct. You can also click **Preview Case Report** on the activity toolbar to see a preview of what the printed report will look like.
- When the resident/fellow is done with their part of reviewing the case, they should make sure that the resident/fellow and the Staff Pathologist roles are assigned correctly. Go to **Case Builder** and change the assignment if it is not correct. Assignments and the use of the .csb template in the **COMMENT-CYTOLOGY** component are two ways that resident/fellow involvement will be tracked.

Cytopathologist:

The cytopathologist will review the case and will agree or disagree with the interpretation of the resident/fellow.



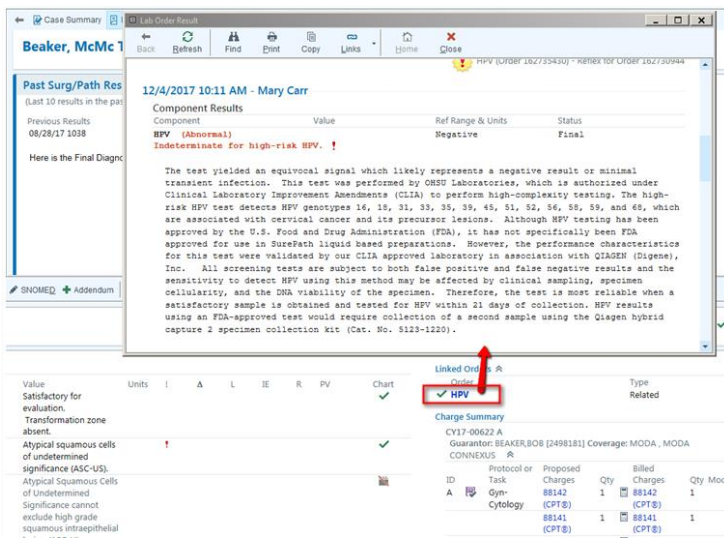
Refer to the **Pathologist/Resident Basics Guide** for more information about finding cases in the Outstanding List and working in Case Results.

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Click **CTRL+F** to search the Outstanding List for a test or patient.

2. To enter results and verify an abnormal case, double-click the case in the **Outstanding List**.
3. Click on the **Results** button on the middle toolbar.
4. If the HPV results have been verified, they should be displayed on the right side of the screen with a green checkmark. Review the HPV results by clicking on the link.



| Component | Value | Ref Range & Units | Status |
|----------------|----------|-------------------|--------|
| HPV (Abnormal) | Negative | Negative | Final |

The test yielded an equivocal signal which likely represents a negative result or minimal transient infection. This test was performed by OHSU Laboratories, which is authorized under Clinical Laboratory Improvement Amendments (CLIA) to perform high-complexity testing. The high-risk HPV test detects HPV genotypes 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, and 68, which are associated with cervical cancer and its precursor lesions. Although HPV testing has been approved by the U.S. Food and Drug Administration (FDA), it has not specifically been FDA approved for use in SurePath liquid based preparations. However, the performance characteristics for this test were validated by our CLIA approved laboratory in association with QIAGEN (Digene), Inc. All screening tests are subject to both false positive and false negative results and the sensitivity to detect HPV using this method may be affected by clinical sampling, specimen cellularity, and the DNA viability of the specimen. Therefore, the test is most reliable when a satisfactory sample is obtained and tested for HPV within 21 days of collection. HPV results using an FDA-approved test would require collection of a second sample using the Qiagen hybrid capture 2 specimen collection kit (Cat. No. 9129-1220).

| ID | Protocol or Task | Proposed Charges | Qty | Billed Charges | Qty | Mod |
|----|------------------|------------------|-----|----------------|-----|-----|
| A | Gyn Cytology | 88142 (CPT8) | 1 | 88142 (CPT8) | 1 | |
| | | 88141 (CPT8) | 1 | 88141 (CPT8) | 1 | |

5. The cytopathologist reviews both the cytotech's interpretation and the resident/fellow interpretation.
 - a. If the cytopathologist **agrees** with the cytotech's interpretation, then INTERPRETATION-CYTOLOGY field is does **not** need to be edited.
 - b. If the cytopathologist **disagrees** with the cytotech's interpretation, then INTERPRETATION-CYTOLOGY field needs to be changed. Click on the magnifying glass that field and choose a different answer.

| Results Synoptic History Charges SNOMED Addendum Save Next Clear Changes Mnemonic Scan Expand | | | | | | | | | |
|---|-----------------------------|------------------------------|---|---|---|---|-------|--|---|
| 1. Discrete Results | | | | | | | | | |
| 2. COMMENT- CYTOLOGY | | | | | | | | | |
| 3. CLINICAL HISTORY | | | | | | | | | |
| 4. LMP/MED | | | | | | | | | |
| 5. Note: | | | | | | | | | |
| 6. AMENDMENT 1 | | | | | | | | | |
| 7. AMENDMENT 2 | | | | | | | | | |
| 8. AMENDMENT 3 | | | | | | | | | |
| 9. AMENDMENT 4 | | | | | | | | | |
| AMENDMENT 5 | | | | | | | | | |
| 1. Discrete Results: | | | | | | | | | |
| | (# Rslt) Component | Value | A | D | L | R | Units | | |
| 1 | (2) ADEQUACY | Satisfactory for evaluation. | | | | | | | |
| 2 | (2) INTERPRETATION-CYTOLOGY | Squamous carcinoma. | | | | | | | ! |
| 3 | (2) RESIDENT INTERPRETATION | Squamous carcinoma. | | | | | | | |
| 4 | (2) FELLOW INTERPRETATION | Squamous carcinoma. | | | | | | | |
| 5 | (2) ORGANISMS | | | | | | | | |
| 6 | (2) HPV ? | Only if ASCUS | | | | | | | |
| 7 | (2) REASON FOR EXAMINATION | Diagnostic | | | | | | | |
| 8 | (2) PREVIOUS DIAGNOSIS | Unknown prev. diagnosis: | | | | | | | |


6. Note that some of the mnemonics will have a **Comment** associated with the **Interpretation-Cytology** row. If a comment exists, the Comment icon is filled. Hovering over the icon will tell you what the comment says. By clicking on that icon, you can change the comment text.

| 1. Discrete Results: | | | | | | | | | | |
|----------------------|-------------------------|--|---|---|---|---|-------|------------|--------|---|
| | (# Rslt) Component | Value | A | D | L | R | Units | Ref. Range | Method | C |
| 1 | ADEQUACY | Satisfactory for evaluation. Transfor | | | | | | | | |
| 2 | INTERPRETATION-CYTOLOGY | Negative for Intraepithelial Lesion or | | | | | | | | |

! If you change mnemonics, the old comment in the Interpretation-Cytology is not deleted! Click on the Comment icon and delete the comment text from the first mnemonic you used.

7. You can also add information to the Organisms field either by clicking on that field and pressing F5 or clicking the magnifying glass icon. A Organisms values window will appear, click on the first row and click the magnifying glass. Choose from one of these options. If you need to add another choice, click on the second row and click on the magnifying glass icon to add another option to the list.

| Title | Number |
|---|--------|
| Fungal organisms morphologically consistent with Candida species. | 1 |
| Shift in flora suggestive of bacterial vaginosis. | 2 |
| Cellular changes associated with Herpes simplex virus. | 3 |
| Bacteria morphologically consistent with Actinomyces spp. | 4 |
| Trichomonas vaginalis | 5 |

8. Double check every component in the Case Results activity to make sure everything looks correct. You can also click  **Preview Case Report** on the activity toolbar to see a preview of what the printed report will look like.
9. When you are finished resulting the case, click the **Save** button.
10. When the case is ready to be signed out, then you can click the **Verify** button to verify the results and release the results to the patient chart. This will bring you to the Verification window which will force you to scroll through the case for review. When you get to the bottom, the **Final Verify** button will be active and you can click on that button to verify the case.

Edit a Signed Out Case:

Addenda and amendments

There are two ways to make changes to a signed out case. Which you choose depends on the type of edits you're making:

- Addendum - use to add information to a case
- Amendment - use to change the results of a case

Document an addendum

1. Open the case in Case Results and click **+** **Addendum** on the middle toolbar.
2. Review the information in the Addendum Authorization window and click **+** **Addendum** to authorize the addendum.
3. Select an appropriate addendum title and enter your additional findings.
4. Final verify the case with the addendum.

Document an amendment

1. Open the case in Case Results and click **✦** **Amendment** in the **☰** Actions menu.
2. Select the check box for the case in the left pane of the Amendment Authorization window.
3. **IMPORTANT: Make sure to select a reason for the amendment!**
4. Click **✦** **Result Correct**.
5. In the Case Results activity, click **✎** **Results** and correct the necessary information.
6. When you are done, final verify the case.



Unlike an addendum, which is appended to the existing case report, an amendment is an edit to the existing case report. This means clinicians see the amended report, but can also review the original report in Case Inquiry to see which results were changed.

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