Innovation 873 - Telepathology

User Acceptance

Test Plan



June 2015

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Version | Description | Author |
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# Introduction

The purpose of the Innovation 873 is to provide a Telepathology solution that includes the VistA Imaging Telepathology Applications (VITA) and will interface with Whole Slide Imaging Vendors Systems and Robotics Streaming systems and will develop a method to launch third party vendor viewer. The VistA Imaging Telepathology Applications (VITA) includes the VistA Imaging Telepathology Worklist, VistA Imaging Telepathology Configurator, Report Editor, and Consultative services.

## Test 1: Configurator - Who do I read for tab

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| 1 | Open the configurator application | Verify Connect to window displays |  |  |
| 2 | Select database and login with access code: boating1;boating1. | Verify Main window will load the appropriate information such as user name, server address, site abbreviation |  |  |
| 3 | Select tab “who do I read for” |  |  |  |
| 4 | Select Add button | Verify Acquisition Site Editor box opens |  |  |
| 5 | Select one site from "Select Acquisition Site" drop down list |  |  |  |
| 6 | Select one site from "Select Acquisition Primary Site" drop down list | Verify that "active" check box checked (default) |  |  |
| 7 | Select Add button | Verify that site is added in the main window with “Yes” in the Active tab (Verify Remote Acquisition site tab, Primary site tab, active tab) |  |  |
| 8 | Repeat steps 4-6 |  |  |  |
| 9 | UnCheck "active" check box |  |  |  |
| 10 | Select Add button | Verify that site is added in the main window with “No” in the Active tab (Verify Remote Acquisition site tab, Primary site tab, active tab) |  |  |
| 11 | Select Edit button | Verify Acquisition Site Editor box opens |  |  |
| 12 | Check Active check box |  |  |  |
| 13 | Select Update button | Verify that site is added in the main window with "Yes" in the Active tab |  |  |
| 14 | Select Edit button | Verify Acquisition Site Editor box opens |  |  |
| 15 | Uncheck Active check box |  |  |  |
| 16 | Select Update button | Verify that site is added in the main window with "No" in the Active tab |  |  |
| 17 | Repeat steps 4-6 |  |  |  |
| 18 | Select Cancel button | Verify that site is not added in the main window |  |  |
| 19 | Select one site from main window |  |  |  |
| 20 | Select remove button | Verify that confirmation windows display with "Are you sure you want to remove "site name" from the list |  |  |
| 21 | Select Yes | Verify that site is removed |  |  |
| 22 | Repeat Steps 19 - 20 |  |  |  |
| 23 | Select No | Verify that site is not removed |  |  |

## Test 2: Configurator - Who reads for me tab

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| 1 | Select who reads for me tab |  |  |  |
| 2 | Select add button | Verify that Reading Site Editor box opens |  |  |
| 3 | Select one site from "Select Reading Site" drop down list |  |  |  |
| 4 | Select "consultation" type from type drop down list | Verify that "active" check box checked (default) |  |  |
| 5 | Select add button | Verify that site is added in the main with Remote Reading Site, Interpretation = No, Consultation = Yes, and active = yes |  |  |
| 6 | Repeat Steps 2-3 |  |  |  |
| 7 | Select "Interpretation" type from type drop down list |  |  |  |
| 8 | Uncheck "active" check box |  |  |  |
| 9 | Select add button | Verify that site is added in the main with Remote Reading Site, Interpretation = Yes, Consultation = No, and active = No |  |  |
| 10 | Select one site Interpretation = Yes and Consultation = No, Active = No |  |  |  |
| 11 | Select Edit button | Verify that Reading Site Editor box opens |  |  |
| 12 | Select "Consultation" type from type drop down list and Check Active check box |  |  |  |
| 13 | Select Update button | Verify that site is updated with Correct status Interpretation = No and Consultation = Yes, Active = Yes |  |  |
| 14 | Select one site from Main window |  |  |  |
| 15 | Select Remove | Verify that confirmation windows display with "Are you sure you want to remove "site name" from the list |  |  |
| 16 | Select Yes | Verify that site is removed |  |  |
| 17 | Repeat Steps 14 - 15 |  |  |  |
| 18 | Select No | Verify that site is not removed |  |  |

## Test 3: Configurator – My report template tab

| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| --- | --- | --- | --- | --- |
| 1 | Select SP template |  |  |  |
| 2 | Select the desired fields to display in the SP report |  |  |  |
| 3 | Select Brief clinical history, preoperative diagnosis, operative findings as required fields |  |  |  |
| 4 | Try to change Gross Description from required to regular field | Verify that required field Gross Description is not changed. |  |  |
| 5 | Select Save button |  |  |  |
| 6 | Select SP report | Verify all desired fields, required fields with asterisk displayed in SP report |  |  |
| 7 | Select EM template |  |  |  |
| 8 | Repeat steps 2 - 5 |  |  |  |
| 9 | Select EM report | Verify all desired fields, required fields with asterisk displayed in EM report |  |  |
| 10 | Select CY template |  |  |  |
| 11 | Repeat steps 2 - 5 |  |  |  |
| 12 | Select CY report | Verify all desired fields, required fields with asterisk displayed in CY report |  |  |
| 13 | Select SP template |  |  |  |
| 14 | Change the order in which the fields appear on the report and select Save button |  |  |  |
| 15 | Select SP report | Verify that fields are displayed in which the order chosen |  |  |
| 16 | Repeat steps 13 – 15 for CY/EM reports |  |  |  |

## Test 4: Configurator – Other tab

| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| --- | --- | --- | --- | --- |
| 1 | Select Other tab |  |  |  |
| 2 | Change the Report Editor lock duration minutes setting to a value other than the 30 that is there and then select the Reset button | Verify a confirmation box is displayed (are you sure?) |  |  |
| 3 | Select Yes | Verify that new value is saved |  |  |
| 4 | Repeat step 2 |  |  |  |
| 5 | Select **No** | Verify it restores the value to 30 |  |  |
| 6 | Change the Worklist timeout setting to a value to 10 and then select the Reset button | Verify a confirmation box is displayed (are you sure?) |  |  |
| 7 | Select Yes | Verify that new value is saved |  |  |
| 8 | Repeat step 6 |  |  |  |
| 9 | Select **No** | Verify it restores the value to default |  |  |
| 10 | Change the Readlist Retention setting to a value to 45 and then select the Reset button | Verify a confirmation box is displayed (are you sure?) |  |  |
| 11 | Select Yes | Verify that new value is saved |  |  |
| 12 | Repeat step 10 |  |  |  |
| 13 | Select **No** | Verify it restores the value to default |  |  |
| 14 | Try to change the fields to something other than number or out of range and click Save | Verify that information box is displayed: “The value you entered is not a valid number” |  |  |
| 15 | Select Ok | Verify that no values are saved |  |  |
|  |  |  |  |  |

## Test 5: Worklist – Reserve/Un-Reserve Case

| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| --- | --- | --- | --- | --- |
| 1 | Open the Worklist application | Verify Connect to window displays | Y |  |
| 2 | Select database and login with access code: boating1;boating1. | Verify that unread tab, patient name tab and read tabs display | Y |  |
| 3 | Select Unread tab | Verify all unread cases from all sites displayed | <discuss with Kalpana; might be hard to demonstrate this literally (?)> | |
| 4 | Select one patient |  | --- |  |
| 5 | Select Reserve case button | Verify user initials will appear under Reserved column | Y |  |
| 6 | Select another case with initials under reserved column |  | Y |  |
| 7 | Select Un-reserve case button | Verify user initials will disappear under Reserved column | Y |  |

## Test 6: Worklist – Worklist Filter

| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| --- | --- | --- | --- | --- |
| 1 | Select settings->Filter Settings | Verify Filter edits opens | Y |  |
| 2 | Select new and enter name in the Name field | Verify all fields are enabled | Y |  |
| 3 | Select appropriate fields and fill out information |  | -- |  |
| 4 | Select save | Verify new filter available on the left and on the work list | <skipped> |  |
| 5 | Select newly created filter | Verify work list only contain the cases matches the filter detail | <skipped> |  |
| 6 | Select existing filter |  | -- |  |
| 7 | Select edit | Verify all fields are enabled | <skipped> |  |
| 8 | Make some changes and select apply | Verify new changes are saved | <skipped> |  |

## Test 7: Worklist – Edit Report

| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| --- | --- | --- | --- | --- |
| 1 | Select in-progress patient case from unread tab in the worklist |  | -- |  |
| 2 | Select Edit report | Verify Patient Name, Patient ID, Date Specimen was Received, Date Completed, Submitted By, Pathologist, Resident/Technician, Accession Number, and Practitioner | Y |  |
| 3 | Select Edit beside Pathologist field |  | -- |  |
| 4 | Enter any 2 characters in the search user box | Verify that drop down box display all user names containing those 2 characters. | Y |  |
| 5 | Select one name and select Ok | Verify that new Pathologist name is displayed | Y |  |
| 6 | Select Edit beside Resident/Technician field |  |  |  |
| 7 | Enter any 2 characters in the search user box | Verify that drop down box display all user names containing those 2 characters. | Y |  |
| 8 | Select one name and select Ok | Verify that new Resident/  Technician name is displayed | Y |  |
| 9 | Select Edit beside Practitioner field |  |  |  |
| 10 | Enter any 2 characters in the search user box | Verify that drop down box display all user names containing those 2 characters. | Y |  |
| 11 | Select one name and select Ok | Verify that new Practitioner name is displayed | Y |  |
| 12 | Enter notes in Brief clinical history, preoperative diagnosis, operative findings, postoperative diagnosis, gross description, microscopic description, frozen section and surgical pathology diagnosis fields |  | <partial> |  |
| 13 | Select Save | Verify main report updates are saved | <partial> |  |
| 14 | Edit notes in any field and select Save | Verify updates are saved | <skipped> |  |
| 15 | Remove notes and select Save | Verify it is removed in the new updates | <skipped> |  |
| 16 | Select Complete button | Verify Date Completed field updated with today’s date |  |  |

## Test 8: Worklist – Supplementary Report

| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| --- | --- | --- | --- | --- |
| 1 | Select Edit Report and select supplementary tab |  | -- |  |
| 2 | Select supplementary report date as last week’s date | Verify that able to select one week range up to today’s date for eg: on March 20th, able to select from March 13th – 20th | <skipped> |  |
| 3 | Enter data and select new | Verify that report display on the right side of the screen | Y |  |
| 4 | Select another report and enter data or remove data and select update | Verify that new data or updated data on the right side | <unclear – a select a different supplementary item or a different report/caste entirely?> | |
| 5 | Select another report and enter data and select Clear | Verify that entered data is cleared | <skipped> |  |
| 6 | Select another report and select Verify | Verify that E-Signature box opens up | Y |  |
| 7 | Enter E-verify code and select verify | Verify the confirmation window opens up with "Do you want to send to additional recipient or mail groups? | Y |  |
| 8 | Select Yes | Verify that additional email box pop up | Y |  |
| 9 | Enter additional email(personal email) | Verify that email is sent to personal email | <skipped> |  |

## Test 9: Worklist – View Report

| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| --- | --- | --- | --- | --- |
| 1 | Select in-progress patient case from read tab in the worklist |  | Y |  |
| 2 | Select View report | Verify the report is displayed with Patient Name, Patient ID, Date Specimen was received, Date Completed, submitted by, Pathologist, Resident/Technician, Accession Number and Practitioner | Y |  |

## Test 10: Worklist - Notes

| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| --- | --- | --- | --- | --- |
| 1 | Select any case in the unread list | Verify Notes button becomes active | Y |  |
| 2 | Select Notes button and add notes |  | -- |  |
| 3 | Select Add button | Verify information about who made entry and when note was added | Y |  |
| 4 | Close Notes window | Verify Notes column entry changes from No to Yes | Y |  |
| 5 | Log out and back in |  | <skipped> |  |
| 6 | Select previous notes again | Verify that note cannot be modified and/or deleted, even by user who made initial entry | <skipped> |  |

## Test 11: Worklist – Consultation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| 1 | Select one unread case from worksite |  | -- |  |
| 2 | Select Consultation | Verify that Consultation window pop up with correct Accession number, Patient name and Patient ID | Y |  |
| 3 | select site= ANN ARBOR and select Request button | Verify that Consult status = PEND:ANN (ANN is site name) displayed | Y |  |
| 4 | Select pending status case from worksite |  | -- |  |
| 5 | Select Consultation | Verify that Consultation window pop up with correct Accession number, Patient name, Patient ID, site name and pending status | <skipped> |  |
| 6 | select site= ANN ARBOR and select Recall button | Verify that Consult status = CAND:ANN (ANN is site name) displayed | <skipped> |  |
| 7 | Select pending status case from worksite |  | <skipped> |  |
| 8 | Select Consultation | Verify that Consultation window pop up with correct Accession number, Patient name, Patient ID, site name and pending status | <skipped> |  |
| 9 | Select site= ANN ARBOR and select Decline button | Verify that Consult status = DCLN:ANN (ANN is site name) displayed | <skipped> |  |
| 10 | Select Verify for supplementary report | Verify that report status = released | <not sure how this works since decline happened in previous step..> | |
| 11 | Select main window | Verify that consult status= COMP:ANN | <skipped> |  |

## Test 12: Worklist – Coding

| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| --- | --- | --- | --- | --- |
| 1 | Select Edit report and coding tab | Verify SNOMED tab is default | Y |  |
| 2 | Enter any 2 characters in the look up name and select search | Verify drop down list appears with all codes containing above 2 characters | Y |  |
| 3 | Select one code and add | Verify that code is added and display on the left side | Y |  |
| 4 | Select any code from left side and remove | Verify that confirmation box will display with message “Are you sure you want to remove the selected SNOMED item?” | <skipped> |  |
| 5 | Select Yes | Verify that code is removed from left side | <skipped> |  |
| 6 | Select any code from left side and remove | Verify that confirmation box will display with message “Are you sure you want to remove the selected SNOMED item?” | <skipped> |  |
| 7 | Select No | Verify that code is not removed from left side | <skipped> |  |
| 8 | Select CPT |  | -- |  |
| 9 | Enter any 2 characters in the look up name and select search | Verify drop down list appears with all locations containing above 2 characters | Y |  |
| 10 | Select one CPT location |  | Y |  |
| 11 | Enter CPT code (For 88307 CPT CODE and multiplying factor is 5, Enter 88000\*5 in the box) and select add | Verify the following message displayed: "The following CPT code(s) are entered successfully & tracked. 88307 TISSUE EXMA BY PATHOLOGIST" | Y |  |
| 12 | Select Ok | Verify that CPT code is added and display in the main window and Verify Date Entered, Multiply Factor, Code & Description and User | Y |  |

## Test 13: Worklist – Health Summary

| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| --- | --- | --- | --- | --- |
| 1 | Select Health Summary button | Verify Health Summary list open | Y |  |
| 2 | Select any available report and click view health summary | Verify summary report is shown | Y |  |
| 3 | Select any available report and select add | Verify report added to selected reports | <skipped> |  |
| 4 | Set it as default and save close |  | <skipped> |  |
| 5 | Select any selected report and select remove | Verify that report is removed from the list | <skipped> |  |
| 6 | Select close | Verify that Health Summary List closed | <skipped> |  |

## Test 14: Worklist – View Images

| **Step** | **Directions** | **Expected Result** | **Pass/Fail** | **Comments** |
| --- | --- | --- | --- | --- |
| 1 | Select one case from Unread list with non-zero images |  | -- |  |
| 2 | Select View images | Verify that Aperio ImageScope v12.1.0.5029 image view launcher displayed | Y |  |
| 3 | Select Open Image from File menu | Verify that Image opens and verify patient ID, name, accession number on the top of the screen | Y |  |
| 4 | Select close from file menu | Verify that Image is closed | <skipped> |  |
| 5 | Select Exit from file menu | Verify Aperio Image Launcher is closed | Y |  |