**TMT Location Details: caTissue >> Master List\_v2.0 >> Biospecimen >> Specimen Collection Group >> 9575\_CONSENT\_Mismatch\_SCG\_Specimen\_Apply**

**Purpose:**

**Test to ensure when there is a conflict between responses at SCG and Specimen level then using Apply button responses will be applied down the hierarchy to only those specimens which do not have conflict, whereas using Apply All button will enforce response to all the specimens whether in conflict or not.**

**Pre-requisites:**

Import dump located at /files/caTissue/test\_data\_dump on 10.39.196.222 and deploy application.

**Procedure:**

1. Login into the application as a Administrator with the login ID as [admin@admin.com](mailto:admin@admin.com) with password: Test123.
2. Navigate to Biospecimen menu and Collection Protocol Based View and select “**Z6041**” from **Collection Protocol section.**
3. Select “Robinson, Mark” from the **Participant Protocol (ID)**.(Refer the expected output)
4. From the LHS **- Specimen Details** sections select the **T1.0: Surgery** event point and then select the **CT\_RM\_20**. (Refer the expected output)
5. Click on the **Consent** Tab for the **CT\_RM\_20**. (Refer the expected output)
6. Edit the following **Verify Consent Reponses** as follows :

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Consent Tier** | **Participant Responses** | **Verify Consent Responses** |
| 1 | Consented to their tissue samples being kept and used in research to learn about, prevent, or treat cancer | Yes | **No** |

1. Click on **Submit** Button. (Refer the expected output)
2. Click on **Apply Button.** (Refer the expected output)
3. Click on **OK.** (Refer the expected output)
4. Click on **Submit.** (Refer the expected output)
5. Navigate to **CT\_RM\_30\_1 specimen** and click on the Consent tab and verify the consents (Refer the expected output)
6. Navigate to the **CT\_RM\_30\_2 specimen** and click on the Consent tab and verify the consents (Refer the expected output)
7. From the LHS **- Specimen Details** sections select the **T1.0: Pre-CRT** event (Refer the expected output)
8. Click on the **Consent** tab. (Refer the expected output)
9. Edit the following **Verify Consent Responses** at theEdit Specimen Collection Group level.

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Consent Tier** | **Participant Responses** | **Verify Consent Responses** |
| 3 | Consented to being contacted in the future to ask if he/she would like to take part in more research | No | **Not Specified** |

1. Click on **Submit.** (Refer the expected output)
2. Click on **Apply All Button.** (Refer the expected output)
3. Click on **OK.** (Refer the expected output)
4. Click on **Submit Button**.
5. Navigate to 1st Parent and click on the **Consent** Tab (Refer the expected output)
6. Observe the consents for the child specimen and 2nd parent (Refer the expected Output)

**Expected Output:**

3. **Edit Participant** page is displayed on the RHS and LHS **Specimen Details** section should auto populate the 2 event points as

* T1.0 :Pre-CRT
* T1.0:Surgery

4. RHS should display the **Specimen Details** page.

5. **Consent Form** page should be displayed with the following Verify **Consent Status Response**

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Consent Tier** | **Participant Responses** | **Verify Consent Responses** |
| 1 | Consented to their tissue samples being kept and used in research to learn about, prevent, or treat cancer | Yes | Yes |
| 2 | Consented to their tissue samples being kept for use in research to learn about, prevent, or treat other health problem (for example: diabetes, Alzheimer's disease or heart disease). | Yes | Yes |
| 3 | Consented to being contacted in the future to ask if he/she would like to take part in more research | No | No |

7. **Withdraw Consent** pop up is displayed with following sections

* Specimen Details

With Label, Type, Storage Container and Class Name

* What do you want to do with the consent status of the specimens?

To apply the current status to only non-conflicting specimen(s), click '**Apply**'.

To apply the current status to all specimens, click '**ApplyAll**'

* **Apply** and **Apply All** Buttons

8. “Are you sure about your action on the Specimens” pop should be displayed with **OK and Cancel Buttons.**

9. The pop up should be closed.

10. The RHS should get now refreshed displaying the **Specimen Details** Page.

11. The first child specimen should display the following **Verify Consent Response Status:**

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Consent Tier** | **Participant Responses** | **Verify Consent Responses** |
| 1 | Consented to their tissue samples being kept and used in research to learn about, prevent, or treat cancer | Yes | Yes |
| 2 | Consented to their tissue samples being kept for use in research to learn about, prevent, or treat other health problem (for example: diabetes, Alzheimer's disease or heart disease). | Yes | No |
| 3 | Consented to being contacted in the future to ask if he/she would like to take part in more research | No | No |

12. The first child specimen should display the following **Verify Consent Response Status:**

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Consent Tier** | **Participant Responses** | **Verify Consent Responses** |
| 1 | Consented to their tissue samples being kept and used in research to learn about, prevent, or treat cancer | Yes | No |
| 2 | Consented to their tissue samples being kept for use in research to learn about, prevent, or treat other health problem (for example: diabetes, Alzheimer's disease or heart disease). | Yes | Yes |
| 3 | Consented to being contacted in the future to ask if he/she would like to take part in more research | No | No |

**Note**: The conflicting response is navigated down the hierarchy from the parent specimen to the child specimens. The same is true for the Specimen Collection Group level any of the conflicts between the specimen collection group and parent specimen should get navigated to the parent as well as child specimen with the help of **Apply** Option.

13. RHS should display the **Edit** **Specimen Collection Group page** should be displayed.

14. Following **Verify Consent Responses** should be displayed:

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Consent Tier** | **Participant Responses** | **Verify Consent Responses** |
| 1 | Consented to their tissue samples being kept and used in research to learn about, prevent, or treat cancer | Yes | Yes |
| 2 | Consented to their tissue samples being kept for use in research to learn about, prevent, or treat other health problem (for example: diabetes, Alzheimer's disease or heart disease). | Yes | Yes |
| 3 | Consented to being contacted in the future to ask if he/she would like to take part in more research | No | No |

16. **Withdraw Consent** pop up is displayed with following sections

* Specimen Details

With Label, Type, Storage Container and Class Name

* What do you want to do with the consent status of the specimens?

To apply the current status to only non-conflicting specimen(s), click '**Apply**'.

To apply the current status to all specimens, click '**ApplyAll**'

* **Apply** and **Apply All** Buttons

17. “Are you sure about your action on the Specimens” pop should be displayed with **OK and Cancel Buttons.**

18. The pop up should be closed and RHS should get refreshed with “Specimen Collection Group successfully updated.” On the top and the Specimen Details page with all the specimen details and **Submit** and **Add to My List** Buttons

19. RHS should display the **Edit Specimen Collection Group page.**

20. The 1st parent should display the following consent:

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Consent Tier** | **Participant Responses** | **Verify Consent Responses** |
| 1 | Consented to their tissue samples being kept and used in research to learn about, prevent, or treat cancer | Yes | Yes |
| 2 | Consented to their tissue samples being kept for use in research to learn about, prevent, or treat other health problem (for example: diabetes, Alzheimer's disease or heart disease). | Yes | Yes |
| 3 | Consented to being contacted in the future to ask if he/she would like to take part in more research | No | **Not Specified** |

21. Following should be the summary post Apply All down the hierarchy

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **SCG level** | **1st Parent** | **1st Child** | **2nd Child** | **2nd Parent** |
| **#** | **Consent Tier** | **Participant Responses** | **Verify Consent Responses** | **Verify Consent Responses** | **Verify Consent Responses** | **Verify Consent Responses** | **Verify Consent Responses** |
| 1 | Consented to their tissue samples being kept and used in research to learn about, prevent, or treat cancer | Yes | Yes | Yes | Yes | Yes | Yes |
| 2 | Consented to their tissue samples being kept for use in research to learn about, prevent, or treat other health problem (for example: diabetes, Alzheimer's disease or heart disease). | Yes | Yes | Yes | Yes | Yes | Yes |
| 3 | Consented to being contacted in the future to ask if he/she would like to take part in more research | No | **Not Specified** | **Not Specified** | **Not Specified** | **Not Specified** | **Not Specified** |

**Note:**

The **Apply All** applies all the consent responses as it is down the hierarchy without considering the conflicts.

**Verification Logic:**

1. **Audit**

Following changes should be reflected in below tables:

1)In CATISSUE\_AUDIT\_EVENT table new record should be entered with IP address equal to the IP address of the machine from which the action was performed and Event\_Timepstamp equal to the date on which the action was performed. Event\_Type should contain UPDATE.

2)In CATISSUE\_DATA\_AUDIT\_EVENT\_LOG table Object\_Name should contain CATISSUE\_PARTICIPANT, CATISSUE\_RACE, CATISSUE\_COLL\_PROT\_REG and CATISSUE\_PART\_MEDICAL\_ID. Object\_ID is the unique ID of the object inserted. Parent\_ID will be null for the main object. Containment or reference type objects getting added will have a parent\_id equal to the ID of the main Object being inserted. This table refers to CATISSUE\_AUDIT\_EVENT\_LOG table which relates to the CATISSUE\_AUDIT\_EVENT table.

3)In CATISSUE\_AUDIT\_EVENT\_DETAILS table Element\_name contains the list of attributes that are in CATISSUE\_PARTICIPANT, CATISSUE\_COLL\_PROT\_REG CATISSUE\_RACE and CATISSUE\_PART\_MEDICAL\_ID tables. Previous\_value will be values before update and Current\_value will be the value updated through UI. CATISSUE\_SITE and CATISSUE\_COLL\_PROT\_REG will have their ID's audited only as they have reference association with the main object. ID of CATISSUE\_PART\_MEDICAL\_ID and CATISSUE\_RACE will also be audited along with their attributes as it is a containment type attribute.

One more row gets added for the containment and reference association i.e., edu.wustl.catissuecore.domain.<attribute\_name>\_PREV\_CURR\_IDS\_LIST. In this case following gets added:

edu.wustl.catissuecore.domain.Site\_PREV\_CURR\_IDS\_LIST

edu.wustl.catissuecore.domain.ParticipantMedicalIdentifier\_PREV\_CURR\_IDS\_LIST

edu.wustl.catissuecore.domain.CollectionProtocolRegistration\_PREV\_CURR\_IDS\_LIST

edu.wustl.catissuecore.domain.Race\_PREV\_CURR\_IDS\_LIST

1. **Advance Query –**

**Execute each of the individual queries and verify that the same consents are reflected in the advance query also .**

**i) Participant level consent query**

**Participant 🡪ConsentTier Response**

**|**

**|--------🡪 ConsentTier Status**

**Query Conditions :**

|  |  |  |
| --- | --- | --- |
| **Object** | **Operator** | **Value** |
| Participant | First Name | Parker |
|  | Last Name | Steven |
| ConsentTier | Id | Not Null |
| ConsentTier Response | ID | Not Null |

**ii) Specimen Collection Group level consent query**

**Specimen Collection Group 🡪ConsentTier**

**|**

**|------------------🡪 ConsentTier Status**

**Query Conditions:**

|  |  |  |
| --- | --- | --- |
| **Object** | **Operator** | **Value** |
| Specimen Collection Group | Name | **Z6401\_SCG\_PS\_2** |
| ConsentTier | Id | Not Null |
| ConsentTier Status | Id | Not Null |

**iii) Specimen level consent query**

**Specimen 🡪ConsentTier**

**|**

**|-----🡪 ConsentTier Status**

|  |  |  |
| --- | --- | --- |
| **Object** | **Operator** | **Value** |
| Specimen | Name | FT\_31\_1 |
| ConsentTier | Id | Not Null |
| ConsentTier Status | Id | Not Null |