

Module Four: Entering NT Data Into SIS



Introduction – Entering NT Data

The *Enter NT Data* screen will enable you to enter NT data into SIS. From this screen, you will also be able to view or print the case interpretation. These functions will be discussed in greater detail in this module.

This module, addressing entering NT data into SIS, will cover:

- Which data fields are required.
- Validation rules for each data field



The Enter NT Data Screen

The *Enter NT Data* screen has numerous data fields. The top portion of the screen, including *Client Name*, *Date of Birth*, *TRF #*, *Accession #*, *Practitioner Credential #*, and *NT Practitioner Name* will be filled in by SIS. Check the displayed data to ensure that the correct patient record has been accessed.

GDSP-SIS Home Help Contact Us Alert Log Out

Data Intake Monitor Follow Up Center CCC Utilities

Data Intake » Search for 1st T Specimen » Enter NT Data

Search for 1st T Specimen

Client Name: DOE, JANE Date of Birth: 12/4/1982
TRF #: F000000000A Accession Number: 999-99-999/A -2011-12
Practitioner Credential#: P99999 Practitioner Name: Smith, Mary

Supervisor Credential #
NT Site ID NT Site Name
* NT Exam Date --
* Is this a twin pregnancy?
If Yes, Chorionicity
* CRL Measurement . mm Unable to measure Unable to measure
* NT Measurement . mm Unable to measure Unable to measure

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Data Entry –Required Fields

You will be entering data into the lower part of the screen. The following fields are required in order for SIS to interpret the case:

- *NT Exam Date*
- *Is this a twin pregnancy?*
- *CRL Measurement*
- *NT Measurement*

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Data Intake » Search for 1st T Specimen » Enter NT Data

Search for 1st T Specimen

Client Name: DOE, JANE Date of Birth: 12/4/1982
TRF #: F000000000A Accession Number: 999-99-999/A -2011-12
Practitioner Credential#: P99999 Practitioner Name: Smith, Mary

Supervisor Credential #
NT Site ID NT Site Name
* NT Exam Date --
* Is this a twin pregnancy?
If Yes, Chorionicity
* CRL Measurement . mm Unable to measure Unable to measure
* NT Measurement . mm Unable to measure Unable to measure

Fetus A Fetus B

Save View/Refresh Interps Print Interps

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If you select **Yes** to the question about twins, you must also indicate chorionicity and enter NT data for the second fetus.

Data Entry – Required Fields

Unable to Measure

In the case of twins, if you are unable to measure either the NT or the CRL for one of the fetuses, check the appropriate “Unable to Measure” checkbox.

The screenshot shows the GDSP-SIS Data Intake form for entering NT data. The form includes a navigation bar with links for Home, Help, Contact Us, Alert, and Log Out. Below the navigation bar, there are tabs for Data Intake, Monitor, Follow Up Center, CCC, and Utilities. The main content area displays the following information:

NT data saved. For any data changes please contact the coordinator at (800) 428-4279.

Client Name: DOE, JANE Date of Birth: 12/4/1982
TRF #: F000000000A Accession Number: 999-99-999/A -2011-12
Practitioner Credential#: P99999 Practitioner Name: Smith, Mary

Supervisor Credential #:
NT Site ID: NT Site Name:
* NT Exam Date: 04-12-2011
* Is this a twin pregnancy? Yes
If Yes, Chorionicity: Dichorionic

* CRL Measurement: mm Unable to measure mm Unable to measure
* NT Measurement: mm Unable to measure mm Unable to measure

Buttons: Save, View/Refresh Interps, Print Interps

Left sidebar: Search for 1st T Specimen, bJones:: 04/12/2011 00:00:00.000

The “Unable to Measure” checkboxes are only activated if you have indicated a twin pregnancy. For single fetus cases, you must fill in both NT and CRL measurements in order for the data to be valid.

For twin pregnancies, complete data (both NT and CRL measurements) must be entered for at least one fetus in order for the NT data to be valid.



Data Entry – Optional Fields

There are additional fields on the screen that are not required:

- *Supervisor Credential #*
- *NT Site ID*
- *NT Site Name*

The screenshot shows the GDSP-SIS web application interface. The top navigation bar includes links for Home, Help, Contact Us, Alert, and Log Out. The main menu has tabs for Data Intake, Entity, Monitor, Follow Up Center, CCC, and Utilities. The current page is titled 'Data Intake >> Search for 1st T Specimen >> Enter NT Data'. The form displays the following information:

Client Name:	DOE, JANE	Date of Birth:	2/10/1977
TRF #:	F00000000A	Accession Number:	909-99-999/A -2009-31
Practitioner Credential#:	P99999	Practitioner Name:	Smith, Mary

Optional fields include:

- Supervisor Credential # (text input)
- NT Site ID (text input)
- NT Site Name (text input)
- * NT Exam Date (date picker)
- * Is this a twin pregnancy? (dropdown menu)
- If Yes, Chorionicity (dropdown menu)
- * CRL Measurement for Fetus A (text input with units)
- * CRL Measurement for Fetus B (text input with units and a checkbox for 'Unable to measure')

GDSP collects this data for quality assurance purposes. However, the data can be saved and the case interpreted even if these fields are left blank.



Data Validation

SIS requires that data be entered in a specific format and that data fall within a valid range. The following rules apply to the data fields indicated:

Field	Rules: Format or Range
NT Exam Date	Format: <i>NT Exam Date</i> must be entered in MM-DD-YYYY format. Range: Future dates cannot be entered.
CRL Measurement	Range: <i>CRL Measurement</i> must be between 44.6 mm – 84.5 mm (for a gestational age range of 11 weeks 2 days – 14 weeks 2 days) Note: <i>CRL Measurement</i> between 9.5 mm – 44.5 mm can be used for gestational dating, but cannot be entered here for use in case interpretation. Reschedule the NT Exam for a later date. Convert the CRL into gestational age (weeks/days) and send this information to the referring clinician.
NT Measurement	Range: <i>NT Measurement(s)</i> must be between 0.1 mm and 20.0 mm.
Supervisor Credential #*	Format: <i>Supervisor Credential #</i> must either be a 5 or 6-digit number if provided to you by FMF or a 'P' followed by a 5-digit number if provided by NTQR (i.e. P99999).
NT Site ID*	Format: <i>NT Site ID</i> must begin with an 'S' and be followed by five digits.

* Optional fields



CRL Measurement Error Messages

The following rules apply to the *CRL Measurement* field

CRL Measurement	Error Message	Resulting NT Practitioner Action
< 9.5 mm	"CRL out of range."	Verify data entry.
9.5 mm – 44.5 mm	"Patient gestational age is out of range for use of NT in risk assessment."	Have the patient reschedule the NT exam and send current dating information to the referring physician. NOTE: The screening result for a case with a large (≥ 3.0 mm) NT measurement will be <i>Large NT: Screen Positive</i> even in this CRL range. Call the Case Coordinator to report the NT data. Your patient is eligible for follow-up services at this time.
44.6 mm – 84.5 mm	No warning or error.	n/a
> 84.5 mm	"Patient gestational age is out of range for use of NT in risk assessment."	Use BPD to calculate gestational age and send dating information to the referring physician for use with second trimester screening.



Data Entry Checks

SIS will validate the format of the data as it is entered. If you attempt to enter data in the incorrect format, SIS will display a warning message indicating that you should return to the field and correct the entry.

In addition, SIS will not accept future exam dates.

GDSP-SIS

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Data Intake Monitor Follow Up Center CCC Utilities

Data Intake » Search for 1st T Specimen » Enter NT Data

Search for 1st T Specimen

Client Name: DOE, JANE Date of Birth: 12/4/1982
TRF #: F000000000A Accession Number: 999-99-999/A -2011-12
Practitioner Credential#: P99999 Practitioner Name: Smith, Mary

Supervisor Credential #
NT Site ID NT Site Name
* NT Exam Date 04 - 14 - 2011 Date cannot be future date.
* Is this a twin pregnancy? Select
If Yes, Chorionicity Select
* CRL Measurement Fetus A mm Unable to measure Fetus B mm Unable to measure
* NT Measurement Fetus A mm Unable to measure Fetus B mm Unable to measure

Save View/Refresh Interps Print Interps

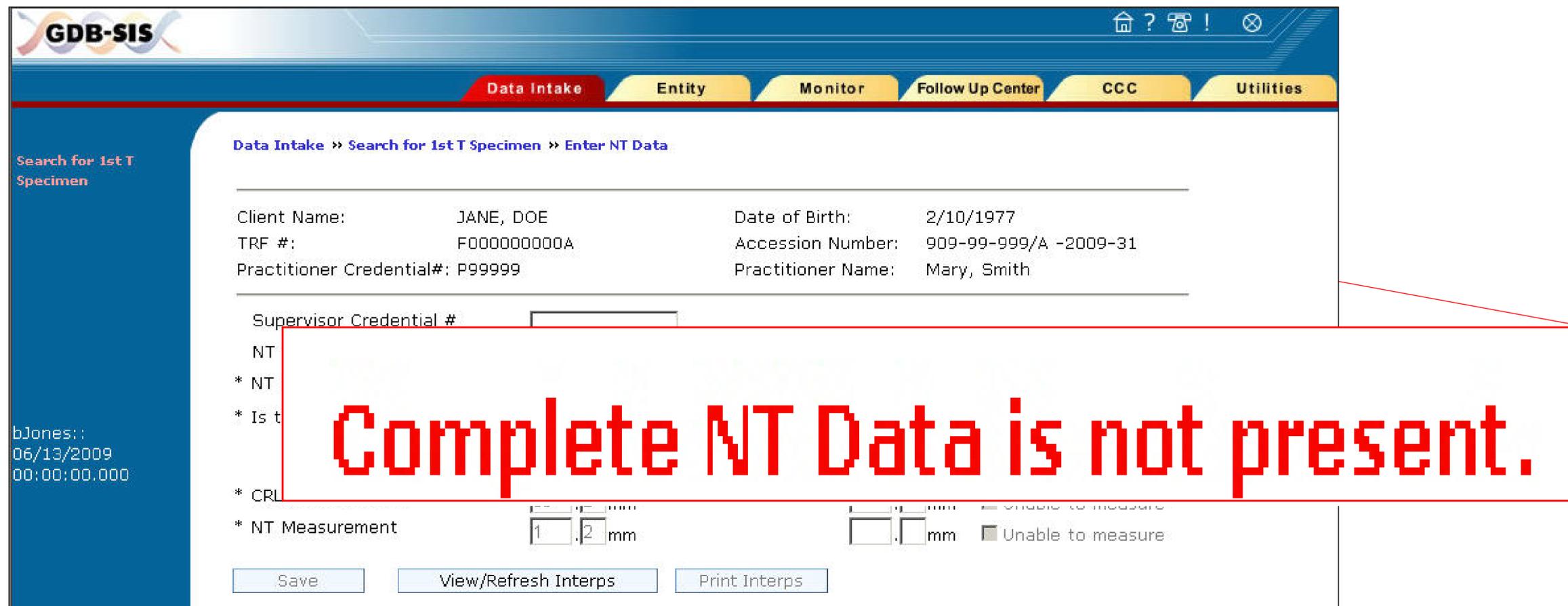
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Date cannot be future date.



Missing Data

Once you have entered all of the case data, click **Save**.



The screenshot shows the GDB-SIS web application interface. The top navigation bar includes tabs for Data Intake, Entity, Monitor, Follow Up Center, CCC, and Utilities. The main content area is titled "Data Intake >> Search for 1st T Specimen >> Enter NT Data". It displays a form with the following fields:

Client Name:	JANE, DOE	Date of Birth:	2/10/1977
TRF #:	F000000000A	Accession Number:	909-99-999/A -2009-31
Practitioner Credential#:	P99999	Practitioner Name:	Mary, Smith
Supervisor Credential #	<input type="text"/>		
NT	<input type="checkbox"/>		
* NT	<input type="checkbox"/>		
* Is t	<input type="checkbox"/>		
* CRL	<input type="checkbox"/>		
* NT Measurement	<input type="text" value="1"/> . <input type="text" value="2"/> mm	<input type="text" value=""/> . <input type="text" value=""/> mm	<input type="checkbox"/> Unable to measure

At the bottom of the form are three buttons: "Save", "View/Refresh Interps", and "Print Interps". A large red warning message is overlaid on the form, stating "Complete NT Data is not present." The message is enclosed in a red box that also highlights the "Supervisor Credential #" field.

If any required fields are missing, SIS will display a warning message requiring that you complete the entry before the data can be saved.



Gestational Age > 15 Weeks 2 Days

GDSP-SIS

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Data Intake Monitor Follow Up Center CCC Utilities

Data Intake » Search for 1st T Specimen » Enter NT Data

Search for 1st T Specimen

Based on the CRL, the GA today is greater than 15 weeks 2 days. Please send the NT data to the referring clinician or the case coordinator. Please call the case coordinator at (800) 428-4279.

Client Name: DOE, JANE Date of Birth: 12/4/1982
TRF #: F000000000A Accession Number: 999-99-999/A -2011-12
Practitioner Credential#: P99999 Practitioner Name: Smith, Mary

Supervisor Credential #
NT Site ID NT Site Name
* NT Exam Date 03-12-2011
* Is this a twin pregnancy? Yes
If Yes, Chorionicity Dichorionic

* CRL Measurement Fetus A: 72.3 mm Unable to measure Fetus B: . mm Unable to measure
* NT Measurement Fetus A: 3.5 mm Unable to measure Fetus B: 3.5 mm Unable to measure

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Save View/Refresh Interps Print Interps

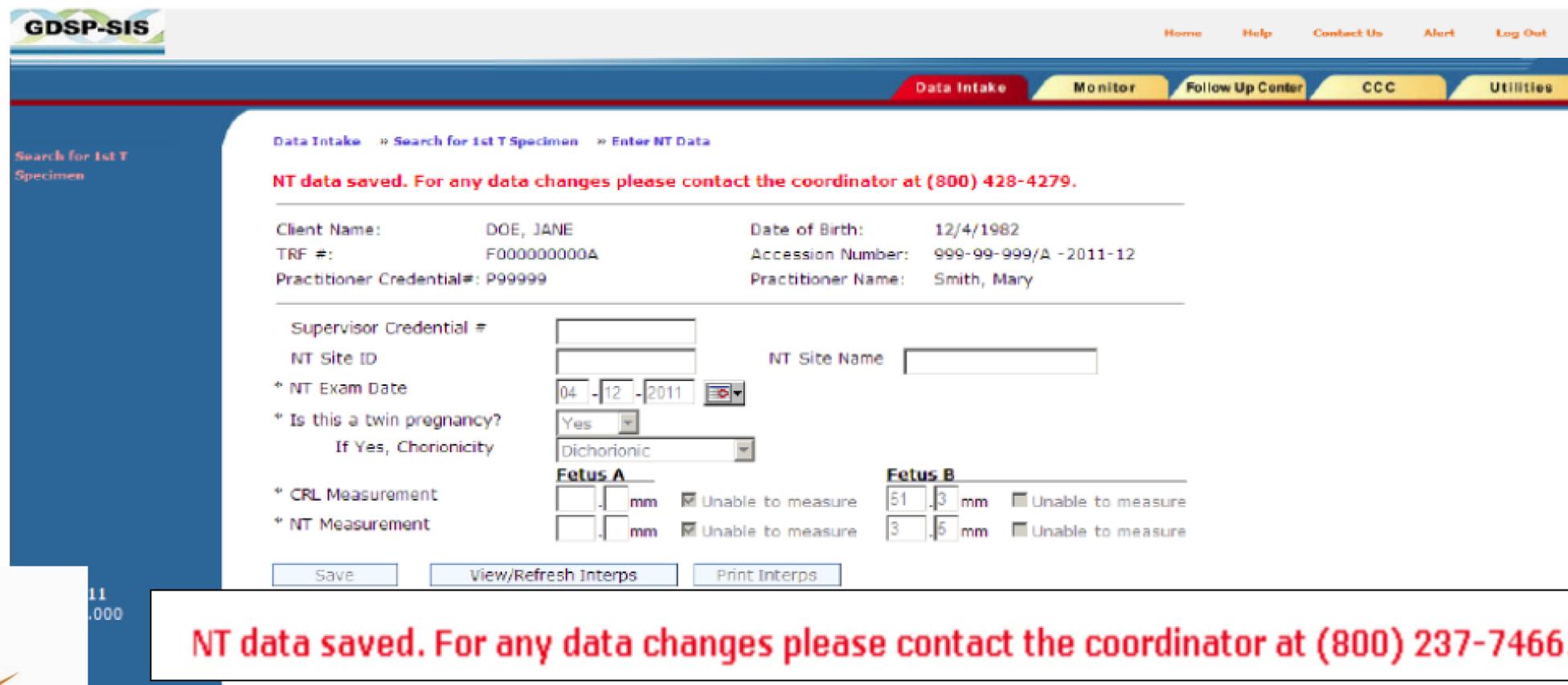
If the Gestational Age as of the present date (calculated based on the CRL measurement you have entered), is greater than 15 weeks and 2 days, you will **not** be able to save the NT data. SIS will display a message: “Based on the CRL, the GA today is greater than 15 weeks 2 days. Please send the NT data to the referring clinician or the case nator...”

Saving Data

If all data is valid and entered in the correct format, SIS will display a message asking you to confirm that the data is correct.



Once you have clicked **OK**, SIS will save the data, and you will be unable to make further changes without calling a Case Coordinator.

A screenshot of the GDSP-SIS web application interface. The page title is "Data Intake > Search for 1st T Specimen > Enter NT Data". A red message at the top of the form area reads: "NT data saved. For any data changes please contact the coordinator at (800) 428-4279." Below this, the form displays client information: Client Name: DOE, JANE; Date of Birth: 12/4/1982; TRF #: F000000000A; Accession Number: 999-99-999/A -2011-12; Practitioner Credential#: P99999; Practitioner Name: Smith, Mary. There are input fields for Supervisor Credential #, NT Site ID, and NT Site Name. The NT Exam Date is set to 04-12-2011. A dropdown menu for "Is this a twin pregnancy?" is set to "Yes", with "Dichorionic" selected for "If Yes, Chorionicity". There are two columns for fetal measurements: "Fetus A" and "Fetus B". For Fetus A, CRL Measurement and NT Measurement are both set to "Unable to measure". For Fetus B, CRL Measurement is 51.3 mm and NT Measurement is 3.5 mm, both with "Unable to measure" checkboxes. At the bottom of the form are buttons for "Save", "View/Refresh Interps", and "Print Interps". A red message box at the bottom of the screenshot reads: "NT data saved. For any data changes please contact the coordinator at (800) 237-7466."

After the Data is Saved

Once the data is entered, saved, and the session is terminated by logging out, any subsequent attempts to access this case (by TRF # or Accession #) will result in the following outcomes:

If you have...	This Occurs...	Additional Information
The TRF # or Accession # for the patient and the Credential ID for the NT Practitioner who conducted the original exam...	The <i>Data Entry</i> screen appears. <ul style="list-style-type: none"> • The data fields will be filled out. • The screen will be in “read-only” format. 	<ul style="list-style-type: none"> • The Save button will be inactivated so that the data cannot be re-saved. • The View/Refresh Interps button will be active to allow access and printing of the interpretation.
The TRF # or Accession # for the patient but you enter a Credential ID which does not match the NT Practitioner who conducted the original exam...	SIS will return an error message: “NT Data has already been entered for this case. Please call the case coordinator...”	N/A
The TRF # or Accession # for the patient and the correct Credential ID, but the NT data was entered into SIS by the Case Coordinator...	SIS will return an error message: “NT Data has already been entered for this case. Please call the case coordinator...”	Note: If data has been submitted on a TRF and you have the Credential ID for the NT Practitioner who conducted the original exam, you will be able to access and edit the NT data in SIS.



Summary

The *NT Data Entry* Screen enables you to enter NT data to view case interpretation.

SIS cannot use data with missing or invalid fields for risk assessment. Fields with missing or invalid data cannot be saved.

Check the data before clicking **Save**. Once SIS confirms data validity and saves the data, you will be unable to make changes to entered data without contacting the Case Coordinator.



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