

CRF: PARTICIPANT INFORMATION

Participant Name	
Participant is de-identified	<input type="radio"/> Yes <input type="radio"/> No
First Name	_____
Middle Name	_____
Last Name	_____
Maiden / Other Name	_____
Patient Initials	_____

Participant Information	
Date of Birth	____ / ____ / ____
State of Birth	_____
Sex	<input type="radio"/> Male <input type="radio"/> Female

Race and Ethnicity	
Participant race (check all that apply)	<input type="checkbox"/> Caucasian / White <input type="checkbox"/> American Indian / Alaska Native <input type="checkbox"/> Asian <input type="checkbox"/> Native Hawaiian or Pacific Islander <input type="checkbox"/> Black or African American <input type="checkbox"/> More than One Race <input type="checkbox"/> Other (specify) <input type="checkbox"/> Unknown or Not Reported
Other race (specify)	_____
Participant is Hispanic or Latino	<input type="radio"/> Yes <input type="radio"/> No

Contact Information	
Address	_____
City	_____
State	_____
Zip	_____
Phone	_____
Email	_____

CRF: CONSENT INFORMATION

Participant Consent	
Note: Unconsented data must be de-identified	
Consent Type	<input type="radio"/> Institution-Specific IRB <input type="radio"/> Schulman IRB <input type="radio"/> IRB Waiver
Reason for waiver Other reason (specify)	<input type="radio"/> Patient is deceased <input type="radio"/> Other _____
Per consent, patient allows USIDNET to contact him/her.	<input type="radio"/> Yes <input type="radio"/> No
Per consent, patient allows USIDNET to contact his/her physician.	<input type="radio"/> Yes <input type="radio"/> No
Consent allows sharing of data with CIBMTR and related research data platforms.	<input type="radio"/> Yes <input type="radio"/> No
CIBMTR Recipient ID Number	_____
PIDTC Recipient ID Number	_____
Additional data platforms per consent (if applicable)	_____ _____ _____ _____ _____

CRF: FAMILY HISTORY

Family History of PI	
Are there other patients with a primary immunodeficiency in the family?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
How many relatives also have a PI?	_____
Did a positive family history prompt testing of this patient?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
Are the parents of the patient related to each other?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown

Information on Affected Family Members		
Relation	Diagnosis	Listed in Registry?
_____	_____	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
_____	_____	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
_____	_____	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
_____	_____	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
_____	_____	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
_____	_____	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
_____	_____	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown

Family History of Other Diseases

	Has family history of disease	Disease present in...
Autoimmune Diseases	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	<input type="checkbox"/> Mother <input type="checkbox"/> Father <input type="checkbox"/> Sister <input type="checkbox"/> Brother <input type="checkbox"/> Daughter <input type="checkbox"/> Son <input type="checkbox"/> Other Female Relative <input type="checkbox"/> Other Male Relative <input type="checkbox"/> Relative Not Specified
Inflammatory Diseases	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	<input type="checkbox"/> Mother <input type="checkbox"/> Father <input type="checkbox"/> Sister <input type="checkbox"/> Brother <input type="checkbox"/> Daughter <input type="checkbox"/> Son <input type="checkbox"/> Other Female Relative <input type="checkbox"/> Other Male Relative <input type="checkbox"/> Relative Not Specified
Malignancies	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	<input type="checkbox"/> Mother <input type="checkbox"/> Father <input type="checkbox"/> Sister <input type="checkbox"/> Brother <input type="checkbox"/> Daughter <input type="checkbox"/> Son <input type="checkbox"/> Other Female Relative <input type="checkbox"/> Other Male Relative <input type="checkbox"/> Relative Not Specified

Family History of Other Diseases

Relation	Genetic Testing?	Test Results	Gene Tested
_____	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	<input type="radio"/> No Pathologic Variants <input type="radio"/> X-Recessive Carrier <input type="radio"/> Autosomal Recessive Carrier <input type="radio"/> Same variant as proband without current health issues <input type="radio"/> Unknown	_____
_____	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	<input type="radio"/> No Pathologic Variants <input type="radio"/> X-Recessive Carrier <input type="radio"/> Autosomal Recessive Carrier <input type="radio"/> Same variant as proband without current health issues <input type="radio"/> Unknown	_____
_____	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	<input type="radio"/> No Pathologic Variants <input type="radio"/> X-Recessive Carrier <input type="radio"/> Autosomal Recessive Carrier <input type="radio"/> Same variant as proband without current health issues <input type="radio"/> Unknown	_____
_____	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	<input type="radio"/> No Pathologic Variants <input type="radio"/> X-Recessive Carrier <input type="radio"/> Autosomal Recessive Carrier <input type="radio"/> Same variant as proband without current health issues <input type="radio"/> Unknown	_____
_____	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	<input type="radio"/> No Pathologic Variants <input type="radio"/> X-Recessive Carrier <input type="radio"/> Autosomal Recessive Carrier <input type="radio"/> Same variant as proband without current health issues <input type="radio"/> Unknown	_____

Welcome to the FILL Program!

To begin, please select the appropriate evaluation



Initial Evaluation	Birth up to 6 months of age
Mid-year Evaluation (Follow-up)	From Initial Evaluation up to 1 year of age (After receiving primary series of killed vaccines, if given)
Annual Evaluation (Follow-up)	1 year up to 18 months of age, and annually thereafter
<input checked="" type="checkbox"/> This is a FILL visit	

Visit covers up to the following date*	____ / ____ / ____
Which evaluation are you completing?	<input type="radio"/> Initial Evaluation <input type="radio"/> Mid-Year Evaluation <input type="radio"/> Annual Evaluation

CRF: INITIAL REGISTRATION

Parent or Legal Guardian Information

First Name of Parent/Guardian	_____
Last Name of Parent/Guardian	_____
Email of Parent/Guardian	_____
Phone of Parent/Guardian	_____

General Patient Information

Gestational age at birth	_____	Weeks
Birth Weight	_____	Grams
Twin or multiple birth?	<input type="radio"/> Yes <input type="radio"/> No	
Breastfed?	<input type="radio"/> Yes <input type="radio"/> No	

Evaluation Details

Initial evaluation prompted by: (select all that apply)	<input type="checkbox"/> Abnormal newborn screen test <input type="checkbox"/> Positive family history <input type="checkbox"/> Clinical events or finding
Infection Type	<input type="radio"/> Bacteria <input type="radio"/> Fungal <input type="radio"/> Viral <input type="radio"/> No Proven Organism
Physical Findings	<input type="checkbox"/> Heart Disease <input type="checkbox"/> Hypoglycemia <input type="checkbox"/> Syndromic Features
Other (specify)	_____

Syndromic Features

List features in the space provided.	_____ _____ _____ _____ _____
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CRF: CLINICAL HISTORY

NO CLINICAL CONDITIONS PRESENT AT THIS TIME Select if applicable

Clinical Conditions

Select all that apply Hydrops, edema, third spacing
 Hygroma or A-V malformation
 Chylous effusion
 GI malformation, atresia, gastroschisis
 Lymphangiectasia

Heart Anomaly Yes
 No
 Unknown

Specific anomaly (if known) _____

Heart surgery in the past 30 days Yes
 No
 Unknown

Thymectomy? Yes
 No
 Unknown

Infection Bacteria
 Fungal
 Viral
 No Proven Organism

Neurological Abnormality Seizures
 Hypotonia
 Other

Other neurological disorder (specify) _____

Rash Erythroderma
 Desquamation
 Maculopapular
 Eczema
 Other

Other rash (specify) _____

Syndromic Features not Listed Above

Please list all syndromic features for this patient.

Non-Syndromic Features not Listed Above

Please list all non-syndromic features for this patient.

CRF: IMMUNIZATIONS, INFUSIONS, TRANSFUSIONS

Live Vaccinations Given

Note: enter first valid determination for any of the following studies that were performed on your patient. You may leave blank any tests which were not performed or for which the data is not available.

	# of Shots
Measles	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> Total not known
Mumps	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> Total not known
Rotavirus	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> Total not known
Rubella	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> Total not known
Varicella	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> Total not known

Vaccines Withheld

Withhold live rotavirus vaccine?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
Withhold other vaccine(s)	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown

Other Vaccines Withheld

Please include withheld vaccines in this space.

Immunoglobulin Infusions

Has patient ever received Ig Replacement Therapy?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
Is patient currently on Ig replacement therapy?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
Initiation Start Date Start Age	____ / ____ / ____ _____ months _____ years
Termination End Date End Age	____ / ____ / ____ _____ months _____ years
Dose	_____ mg/kg _____ Total grams
Route Other route (specify)	<input type="radio"/> IV <input type="radio"/> SC <input type="radio"/> IM <input type="radio"/> Unknown <input type="radio"/> Other _____
Frequency	_____ days
Was a port placed specifically for IVIG?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown

Transfusion Treatments

Transfusion Precautions Advised (CMV negative, leuko-reduced, irradiated)	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
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CRF: MEDICATIONS AND SUPPLEMENTS

Historical Anti-Infective Treatment

Palivizumab (synagis) used during RSV activity in community

- Yes
- No
- Unknown

Prophylactic Anti-Infectives

Please include all antibiotics, anti-virals, and anti-fungals (topical and systemic)

Drug Name	Course	Adverse Reaction	Reaction
_____	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent <input type="checkbox"/> Rotating	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____
_____	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent <input type="checkbox"/> Rotating	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____
_____	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent <input type="checkbox"/> Rotating	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____
_____	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent <input type="checkbox"/> Rotating	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____
_____	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent <input type="checkbox"/> Rotating	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____
_____	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent <input type="checkbox"/> Rotating	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____
_____	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent <input type="checkbox"/> Rotating	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____
_____	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent <input type="checkbox"/> Rotating	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____

Historical Immunomodulator Treatment

Patient has used immunomodulatory medication in the past year

- Yes
- No
- Unknown

Non-Transplant Immunomodulator Medications

Please include all immunomodulator medications prescribed during the time period of this visit

Drug Name	Indication	Specify	Improvement	Adverse Reaction	Reaction
_____	<input type="radio"/> Treat Disease <input type="radio"/> Prophylaxis <input type="radio"/> Unknown	_____	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____
_____	<input type="radio"/> Treat Disease <input type="radio"/> Prophylaxis <input type="radio"/> Unknown	_____	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____
_____	<input type="radio"/> Treat Disease <input type="radio"/> Prophylaxis <input type="radio"/> Unknown	_____	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____
_____	<input type="radio"/> Treat Disease <input type="radio"/> Prophylaxis <input type="radio"/> Unknown	_____	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____
_____	<input type="radio"/> Treat Disease <input type="radio"/> Prophylaxis <input type="radio"/> Unknown	_____	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____
_____	<input type="radio"/> Treat Disease <input type="radio"/> Prophylaxis <input type="radio"/> Unknown	_____	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____
_____	<input type="radio"/> Treat Disease <input type="radio"/> Prophylaxis <input type="radio"/> Unknown	_____	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____

For-Transplant Immunomodulator Medication

Please include all immunomodulator medications prescribed during the time period of this visit

Drug Name	Indication	Adverse Reaction	Reaction
_____	<input type="radio"/> Stem Cell: PRE-transplant <input type="radio"/> Stem Cell: POST-transplant <input type="radio"/> Organ: PRE-transplant <input type="radio"/> Organ: POST-transplant <input type="radio"/> Unknown	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____
_____	<input type="radio"/> Stem Cell: PRE-transplant <input type="radio"/> Stem Cell: POST-transplant <input type="radio"/> Organ: PRE-transplant <input type="radio"/> Organ: POST-transplant <input type="radio"/> Unknown	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____
_____	<input type="radio"/> Stem Cell: PRE-transplant <input type="radio"/> Stem Cell: POST-transplant <input type="radio"/> Organ: PRE-transplant <input type="radio"/> Organ: POST-transplant <input type="radio"/> Unknown	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____
_____	<input type="radio"/> Stem Cell: PRE-transplant <input type="radio"/> Stem Cell: POST-transplant <input type="radio"/> Organ: PRE-transplant <input type="radio"/> Organ: POST-transplant <input type="radio"/> Unknown	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____
_____	<input type="radio"/> Stem Cell: PRE-transplant <input type="radio"/> Stem Cell: POST-transplant <input type="radio"/> Organ: PRE-transplant <input type="radio"/> Organ: POST-transplant <input type="radio"/> Unknown	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____
_____	<input type="radio"/> Stem Cell: PRE-transplant <input type="radio"/> Stem Cell: POST-transplant <input type="radio"/> Organ: PRE-transplant <input type="radio"/> Organ: POST-transplant <input type="radio"/> Unknown	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____
_____	<input type="radio"/> Stem Cell: PRE-transplant <input type="radio"/> Stem Cell: POST-transplant <input type="radio"/> Organ: PRE-transplant <input type="radio"/> Organ: POST-transplant <input type="radio"/> Unknown	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____
_____	<input type="radio"/> Stem Cell: PRE-transplant <input type="radio"/> Stem Cell: POST-transplant <input type="radio"/> Organ: PRE-transplant <input type="radio"/> Organ: POST-transplant <input type="radio"/> Unknown	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown	_____

CRF: TRANSPLANTATION AND GENE THERAPY

Transplantation

Patient has undergone transplant

- Yes
- No
- Unknown

Type of transplant

- Hematopoietic Stem Cells
- Solid Organ
- Unknown

Stem Cell Transplant

Date of Transplant

Date

_____ / _____ / _____

Age

_____ months

_____ years

Solid Organ Transplant

Date of Transplant

Date

_____ / _____ / _____

Age

_____ months

_____ years

Which Solid Organ?

- Kidney
- Liver
- Lung
- Heart
- Cornea
- Thymus
- Intestines
- Other

Other (specify)

CRF: SURVIVAL & QUALITY OF LIFE

Patient Status	
Alive?	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown
Date of Death	_____ / _____ / _____
Cause(s) of death	<input type="checkbox"/> Primary immunodeficiency <input type="checkbox"/> Malignancy <input type="checkbox"/> Infection <input type="checkbox"/> Other Cause <input type="checkbox"/> Unknown
Other (Specify)	_____

CRF: CORE LABORATORY TEST RESULTS

TREC SCREENING

Dried blood spot TREC screen	<input type="radio"/> Done <input type="radio"/> Not Done
Date of Test	_____ / _____ / _____
Testing Site	<input type="radio"/> State NBS Lab <input type="radio"/> Other Program <input type="radio"/> Other Lab
Other lab (specify)	_____
if TREC NON-NORMAL, Result	<input type="radio"/> Consistent with SCID <input type="radio"/> Unspecified <input type="radio"/> Inconclusive <input type="radio"/> Incomplete (Poor PCR)

	Value	Type	Units	Result Term
Control DNA	_____	<input type="radio"/> B-actin <input type="radio"/> RNaseP <input type="radio"/> Other: _____ _____	<input type="radio"/> copies/uL <input type="radio"/> Ct	<input type="radio"/> Normal-adequate <input type="radio"/> Non-normal <input type="radio"/> Not done / not applicable
TRECs	_____		<input type="radio"/> copies/uL <input type="radio"/> Ct	<input type="radio"/> Normal <input type="radio"/> Non-normal

OTHER STUDIES

Immune studies completed

- PHA testing
- HIV Testing
- Maternal Lymphocyte Engraftment

OTHER STUDIES

PHA studies performed

- PHA by Flow
- PHA by 3H-thymidine

PHA by Flow

Date of Test	_____ / _____ / _____
CD45 cells proliferating	_____ %
Normal for CD45 Lab	_____ >%
CD3 cells proliferating	_____ %
Normal for CD3 Lab	_____ >%

PHA by 3H-thymidine

Date of Test	_____ / _____ / _____
Patient CPM Medium	_____
Patient CPM PHA	_____
Lab control CPM range medium	_____
Lab control CPM range with PHA**	_____

OTHER STUDIES

Infant HIV by PCR or Protein Test

Infant HIV Results

- Positive (+)
- Negative (-)

HIV Maternal Antibody

HIV Maternal Antibody Results

- Positive (+)
- Negative (-)

Maternal Lymphocyte Engraftment

Results

- Searched for and Absent
- Searched for and Present

% of CD3

_____ %

Complete Blood Count			
Date of Test	_____ / _____ / _____		
WBC	_____	THOU/uL	
Platelets	_____	THOU/uL	
RBC	_____	MILL/uL	
Hgb	_____	g/dL	
Lymphocytes	_____	%	_____ /uL
PMN	_____	%	_____ /uL
Eosinophils	_____	%	_____ /uL
Monocytes	_____	%	_____ /uL

Lymphocyte Phenotype			
Date of Test	_____ / _____ / _____		
Absolute Lymphocyte Count	_____	/uL	
CD3 T Cells	_____	%	_____ /uL
CD4 Helper T	_____	%	_____ /uL
CD8 Cytotoxic T	_____	%	_____ /uL
CD19 B Cells	_____	%	_____ /uL
CD56/CD16 NK cells	_____	%	_____ /uL

CD4 Subset Panel			
Date of Test	_____ / _____ / _____		
Naive CD4+ T-Cells	<input type="radio"/> CD4+ CD45RA+ <input type="radio"/> CD4+ CCR7+ CD45RA+ <input type="radio"/> CD4+ CD27+ CD45RA+ <input type="radio"/> Other or unknown markers used	_____ %	_____ /uL

Immunoglobulin Evaluation			
Date of Test	_____ / _____ / _____		
IgG	_____ mg/dL	IgG1	_____ mg/dL
IgA	_____ mg/dL	IgG2	_____ mg/dL
IgM	_____ mg/dL	IgG3	_____ mg/dL
IgE	_____ IU/mL	IgG4	_____ mg/dL
IgD	_____ mg/dL		

OTHER STUDIES	
Vaccinations given	<input type="checkbox"/> Diphtheria <input type="checkbox"/> Pertussis <input type="checkbox"/> Tetanus <input type="checkbox"/> Pneumococcus
Pneumococcus vaccine type	<input type="checkbox"/> Conjugated vaccine <input type="checkbox"/> Unconjugated vaccine
Additional antibody tests	<input type="checkbox"/> Isohemagglutinin-Anti A <input type="checkbox"/> Isohemagglutinin-Anti B

Vaccine Responses		
	# of shots	Response
Diphtheria	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> Total not known	<input type="radio"/> Absent <input type="radio"/> Low <input type="radio"/> Normal
Tetanus	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> Total not known	<input type="radio"/> Absent <input type="radio"/> Low <input type="radio"/> Normal
Pertussis	<input type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> Total not known	<input type="radio"/> Absent <input type="radio"/> Low <input type="radio"/> Normal
Isohemagglutinin – Anti A		<input type="radio"/> Absent <input type="radio"/> Low <input type="radio"/> Normal
Isohemagglutinin – Anti B		<input type="radio"/> Absent <input type="radio"/> Low <input type="radio"/> Normal

Unconjugated Pneumococcal Vaccine Response	
Date of Test	_____ / _____ / _____
# of serotypes producing a protective level	_____ serotypes
# of serotypes TESTED	_____ serotypes
# of times vaccine administered	_____ times

Conjugated Pneumococcal Vaccine Response

Date of Test	_____ / _____ / _____
# of serotypes producing a protective level	_____
# of serotypes TESTED	_____
Vaccine Name	<input type="checkbox"/> Prevnar 7 (PCV7) <input type="checkbox"/> Prevnar 13 (PCV13) <input type="checkbox"/> Other <input type="checkbox"/> Unknown
# of times PCV7 administered	_____
# of times PCV13 administered	_____
# of times Other administered	_____
# of times Unknown administered	_____

CRF: MOLECULAR INFORMATION

Genetic Information

Is this patient's PID linked to a gene mutation?	<input type="radio"/> Yes; PI is linked to gene <input type="radio"/> No; Gene not identified <input type="radio"/> Gene tested; no mutation found
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Gene Mutation

Gene	_____
Mutation Type	<input type="radio"/> Complex (hgvs/iscn) <input type="radio"/> Deletion <input type="radio"/> Deletion/Insertion (indel) <input type="radio"/> Duplication <input type="radio"/> Insertion <input type="radio"/> Inversion <input type="radio"/> Substitution
DNA Change	_____
Protein Change	_____
Zygoty	<input type="radio"/> Homozygous <input type="radio"/> Heterozygous <input type="radio"/> X-Linked Hemizygous <input type="radio"/> Unknown
Comments on how mutation was detected	_____

Gene	_____
Mutation Type	<input type="radio"/> Complex (hgvs/iscn) <input type="radio"/> Deletion <input type="radio"/> Deletion/Insertion (indel) <input type="radio"/> Duplication <input type="radio"/> Insertion <input type="radio"/> Inversion <input type="radio"/> Substitution
DNA Change	_____
Protein Change	_____
Zygoty	<input type="radio"/> Homozygous <input type="radio"/> Heterozygous <input type="radio"/> X-Linked Hemizygous <input type="radio"/> Unknown
Comments on how mutation was detected	_____

Gene	_____
Mutation Type	<input type="radio"/> Complex (hgvs/iscn) <input type="radio"/> Deletion <input type="radio"/> Deletion/Insertion (indel) <input type="radio"/> Duplication <input type="radio"/> Insertion <input type="radio"/> Inversion <input type="radio"/> Substitution
DNA Change	_____
Protein Change	_____
Zygoty	<input type="radio"/> Homozygous <input type="radio"/> Heterozygous <input type="radio"/> X-Linked Hemizygous <input type="radio"/> Unknown
Comments on how mutation was detected	_____

Testing Done; Mutation not Found

Mutation Not Found: Gene	_____
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Genetic / Genomic Testing

Note: list positive result only; for pending results and negative results, fill in at later assessment times.

Testing Performed

- Insertion/Deletion Analysis
- FISH for 22q deletion / DiGeorge Syndrome
- Whole exome / genome sequencing
- Karyotype
- Other
- NO TESTING DONE AT THIS TIME

Insertion / Deletion Analysis

Testing Performed

- Copy number array (CGH array)
- Multiplex ligation-dependent probe amplification (MPLA)
- SNP array
- Other

FISH Testing

Result

- Deletion Detected
- No Deletion Detected

CGH Array

Copy Number Array: Result

- Normal or non-contributory
- 22q deletion
- Other abnormality _____

Other: Specify _____

Karyotype

Result

- Normal or Non-Contributory
- Other abnormality _____

Other Testing

Name of Test _____

Result

- Normal or Non-Contributory
- Other abnormality _____

Other: Specify _____

CRF: DISEASE-SPECIFIC QUESTIONS

Diagnostic Criteria

- HIV has been excluded Yes
 No
- Select best diagnosis from list Typical SCID / Leaky SCID / Omenn Syndrome
 Preterm birth alone
 Syndrome with variable T cell impairment
 Secondary T lymphopenia
 Idiopathic T lymphopenia/not known at this time
 No significant T lymphopenia or normal

Typical / Leaky / Omenn

- Please Specify Typical SCID
 Leaky SCID
 Omenn Syndrome
- Typical SCID Absent or very low (< 300 /uL) T cells & absent or very low (< 10% of lower limit of normal) T cell function
 T cells of maternal origin present, but with < 10% of lower limit of normal T cell function
- Leaky SCID (1) < 1000/uL T cell # at < age 2 years
 < 800/uL T cell # at age 2 through < 4 years
 < 600/uL T cell # at > 4 years
 Maternal lymphocytes not detected
- Leaky SCID (2) Absent proliferative responses to candida and tetanus toxoid antigens (post vaccination or exposure), with expression of HLA by flow/serology
 Rule-out of MHC Class I and II non-expression by flow cytometry (or histology)
 T cell function > 10% and < 30% of normal lower limit (as measured by response to PHA)
- Omenn Syndrome Generalized skin rash
 Maternal lymphocytes not detected
 Absent or low (< 30% lower limit of normal) T cell proliferation to antigens
 > 80% of CD4 T cells are CD45R0+ (< 2 years of age)

Syndrome with variable T-cell impairment

Select best diagnosis from list

- Ataxia telangiectasia
- Cartilage Hair Hypoplasia
- CHARGE syndrome (coloboma, heart defect, atresia choanae, retarded growth and development, genital and ear abnormality)
- CLOVES syndrome (congenital lipomatous overgrowth, vascular malformations, epidermal nevi, and spinal/skeletal anomalies)
- DiGeorge / 22q deletion (or TBX1 mutation)
- DOCK8 Deficiency
- ECC syndrome (ectodermal dysplasia, ectrodactyly and clefting)
- EXTL3 deficiency
- Fryns syndrome (diaphragmatic hernia and other congenital anomalies)
- Jacobsen Syndrome (growth and psychomotor retardation, congenital abnormalities, chromosome 11qter deletion)
- Nijmegen breakage syndrome
- Noonan syndrome (multiple congenital anomalies)
- RAC2 defect
- Renpenning syndrome
- Schimke disease
- TAR syndrome (thrombocytopenia, absent radius)
- Trisomy 18
- Trisomy 21
- Other DIAGNOSED multi-system syndrome

- Unknown or undefined syndrome: list symptoms

PEG-ADA Treatment

Was this patient treated with PEG-ADA?

- Yes
- No
- Unknown

Is the patient currently on PEG-ADA?

- Yes
- No
- Unknown

Immune Reconstitution

- Full
- Partial
- RX Failure

Was ADA used as a "bridge" to another therapy?

- Yes
- No
- Unknown

Dose Schedule

_____ units per week