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### Form 8: Post Transplant Annual Followup

[Toggle Question Year/Info](#)

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Not Started

1 **Was patient seen for follow-up this year**  Yes, patient was seen this year  
 No, patient was not seen this year or the patient follow-up falls outside the follow-up window (+/- 90 days of the transplant anniversary)  
 No, patient transferred care to another center (not at time of annual follow-up)

7b **Last Date of Followup at Your Center**

Question Added: 01 JAN 1996

2 **Date of Follow-Up**   
This is the date the patient was seen and the date for which the data on the form is current. It is not the date that the form is filled out.

Question Added: 01 JAN 1996

3 **Current residence ZIP code/Postal Code**

Missing Reason:  
 Unknown

Question Added: 01 JAN 1996

### Height and Weight

4 **Height**   
 Centimeters  
 Inches

Missing Reason:  
 Not Done  
 Unknown

Question Added: 01 JAN 1996

**Calculated**  
BSA: n/a  
BMI: n/a

5 **Weight**   
 Kilograms  
 Pounds

Missing Reason:  
 Not Done  
 Unknown

Question Added: 01 JAN 1996

6 **Were Hemodynamics Performed?**  Yes  
 No  
 Unknown

6a **Hemodynamics**   
If done during annual surveillance biopsy (if performed) or during coronary assessment.  
MM/DD/YYYY

Missing Reason:  
 Unknown

Question Added: 01 JAN 1996

6b **AoM**   
Aortic Mean mmHg

**Range Information**  
Too Low: < 0  
Normal: Between 0 and 150  
Question Zone: > 151  
Red Flag Zone: > 151

Missing Reason:  
 Not Done  
 Unknown

Question Added: 01 JAN 1996

6c **RAm (RAP or CVP)**   
Right Atrial Mean Pressure mmHg

**Range Information**  
Too Low: < 0  
Normal: Between 0 and 40  
Question Zone: > 41  
Red Flag Zone: > 41

Missing Reason:  
 Not Done  
 Unknown

Question Added: 01 JAN 1996

6d **PAm**   
Pulmonary Arterial Mean mmHg

**Range Information**  
Too Low: < 0  
Normal: Between 0 and 50  
Question Zone: > 51  
Red Flag Zone: > 51

Missing Reason:  
 Not Done  
 Unknown

Question Added: 01 JAN 1996

6e **PCW LV EDP**   
Pulmonary Capillary Wedge mmHg

**Range Information**  
Too Low: < 0  
Normal: Between 0 and 60  
Question Zone: > 61  
Red Flag Zone: > 61

Missing Reason:  
 Not Done  
 Unknown

Question Added: 01 JAN 1996

6f **C.O.**   
Cardiac Output L/min

**Range Information**  
Too Low: < 0  
Normal: Between 0 and 20  
Question Zone: > 21  
Red Flag Zone: > 21

Missing Reason:  
 Not Done  
 Unknown

Question Added: 01 JAN 1996

**Range Information**  
Too Low: < 0  
Normal: Between 0 and 15

Question Added: 01 JAN 1996

6g

C.I.   
Cardiac Index L/min/m<sup>2</sup>

Question Zone: > 16  
Red Flag Zone: > 16

Missing Reason:  
 Not Done  
 Unknown

7

Is patient currently followed at your PHTS Transplant center?  Patient currently followed at our PHTS Transplant center  
 Patient followed exclusively at another center

Question Added: 01 JAN 1996

7a

If currently followed  All care is provided at our center  
 Only yearly evaluation at our center

Question Added: 01 JAN 1996

7a.i

If only followed yearly, specify date PHTS event followup ceased

Missing Reason:  
 Unknown

Question Added: 01 JAN 1996

7b

Last Date of Followup at Your Center

Question Added: 01 JAN 1996

**Medications**

**Which medications to include:**

- Immunosuppressants
- Cardiovascular medications (diuretics, antihypertensives, antiarrhythmics)
- Infection prophylaxis
- All other daily medications
- Chronic meds that are intermittent (e.g. weekly meds)
- We are no longer categorizing medications by indication of use as intent is very difficult to assess and some medications may be used for multiple indications and have multiple effects despite intended use for only one indication or another

**Which medications NOT to include:**

- PRN
- Topical/otic/ophthalmic meds
- Over the counter supplements (multivitamins, etc.)
- Short term courses of medications (e.g. 7 days of amoxicillin for acute otitis media)
- Oxygen

Medications

8a

**Cardiovascular**

Question Added: 01 JAN 1996

- Aldosterone Antagonist (Spironolactone)
- Alpha adrenergic blockers (ex: doxazosin, prazosin, terazosin)
- Alpha Blocker
- Amiodarone
- Angiotensin II receptor blocker (ARBs) (ex: Azilsartan (Edarbi), Candesartan (Atacand), Eprosartan, Irbesartan (Avapro), Losartan (Cozaar), Olmesartan (Benicar), Telmisartan (Micardis), Valsartan (Diovan)
- Angiotensin-Converting-Enzyme (ACE) inhibitors (ex: captopril, enalapril, lisinopril, ramipril etc)
- Beta Blockers (ex: atenolol, metoprolol, nadolol etc.)
- Calcium Channel blockers (ex: Amlodipine (Norvasc), Diltiazem (Cardizem, Tiazac, others), Felodipine, Isradipine, Nicardipine, Nifedipine (Adalat CC, Afeditab CR, Procardia), Nisoldipine (Sular)
- Carvedilol
- Clonidine
- Digoxin
- Diuretics (loops, thiazides, etc.)
- Dobutamine
- Endothelial Receptor Antagonist
- Entresto
- Milrinone
- Nitrates (nitroglycerin, etc.)
- PDE-5 inhibitors (sildenafil, etc.)
- PGE
- Vasodilators (hydralazine)
- Vasopressin antagonist (tolvaptan, conivaptan, etc.)
- Other antiarrhythmic, specify
- Other cardiovascular medication, specify

**Other antiarrhythmic, specify**

**Other cardiovascular medication, specify**

**Anti-Hyperlipidemics**

- Fish oil/Omega-3/Lovaza
- Statin
- Other cholesterol medication, specify

**Other cholesterol medication, specify**

**Anticoagulants**

- Aspirin
- Clopidogrel
- Dipyridamole
- Enoxaparin
- Warfarin
- Other anticoagulant, specify

**Other anticoagulant, specify**

**Anti-Infectives**

- Acyclovir/valacyclovir
- Amphotericin B
- Azoles (fluconazole, voriconazole, Itraconazoles , posaconazole, ketaconazole etc)
- Bactrim (Sulfamethoxazole/Trimethoprim)
- Dapsone
- Echinocandins (casofungin, micafungin, anidulafungin)
- Ganciclovir/valganciclovir
- HIV Antiviral
- Nystatin
- Pentamidine
- Other Antifungal, specify
- Other Antiviral, specify
- Other chronic antibiotic, specify

**Other Antifungal, specify**

**Other Antiviral, specify**

**Other chronic antibiotic, specify**

**Endocrine**

- Anti-osteoporosis (bisphosphonate, etc.)
- Growth Hormone
- Insulin
- Oral anti-hyperglycemic
- Oral contraceptive/patch contraceptive/Norplant
- Thyroid hormone (synthroid)
- Other endocrine, specify

**Other endocrine, specify**

**GI**

- H2 blocker
- PPI
- Other antacid, specify

**Other antacid, specify**

**Neuro/Psych**

- Anti-anxiety
- Antidepressant
- Antipsychotic
- Mood stabilizer
- Narcotic (chronic use, not prn)
- Non-stimulant ADHD
- NSAID (chronic use, not prn)
- Stimulant ADHD
- Other neuro-psych, specify

**Other neuro-psych, specify**

**Pulmonary**

- Inhaled Beta-agonist
- Inhaled Steroid
- Oral Leukotriene inhibitor
- Other inhaled bronchodilator, specify
- Other oral asthma medication, specify

**Other inhaled bronchodilator, specify**

**Other oral asthma medication, specify**

**Supplements**

- Albumin infusion
- Carnitine
- CoQ
- Pancreatic Enzymes
- Probiotic
- Other supplement, specify

**Other supplement, specify**

**Immunosuppressants**

- Anakinra
- Azathioprine
- Basiliximab
- Cyclophosphamide
- Cyclosporine
- Everolimus
- Immune Globulin
- Methotrexate
- MMF
- Rituximab
- Sirolimus
- Steroids
- Tacrolimus
- Other immunosuppressant, specify

**Other immunosuppressant, specify**

**Bone Marrow Stimulant**

- Avatrombopag
- Erythropoietin stimulating agents (ex: procrit, epogen, Darbepoetin)
- granulocyte colony-stimulating factor (G-CSF) (ex: filgrastim, pegfilgrastim)
- granulocyte-macrophage colony-stimulating factor (GM-CSF) (ex: Sargramostim- SAP)
- Lusutrombopag
- Thrombopoetic growth factor (ex: Eltrombopag, Romipostim)
- Other bone marrow stimulant, specify

**Other bone marrow stimulant, specify**

**Other**

- Allopurinol
- Other, specify

8b

**Did the patient receive treatment at any time since the last follow-up for hypertension?**  Yes  No  Unknown

Check for medications used to treat hypertension

Question Added: 29 JUL 2019

8b.i

**Specify medication class:**

- Alpha adrenergic blockers (ex: doxazosin, prazosin, terazosin)
- Angiotensin-Converting-Enzyme (ACE) inhibitors (ex: captopril, enalapril, lisinopril, ramipril etc)
- Angiotensin II receptor blocker (ARBs) (ex: Azilsartan (Edarbi), Candesartan (Atacand), Eprosartan, Irbesartan (Avapro), Losartan (Cozaar), Olmesartan (Benicar), Telmisartan (Micardis), Valsartan (Diovan)
- Beta Blockers (ex: atenolol, metoprolol, nadolol etc)
- Calcium Channel blockers (ex: Amlodipine (Norvasc), Diltiazem (Cardizem, Tiazac, others), Felodipine, Isradipine, Nicardipine, Nifedipine (Adalat CC, Afeditab CR, Procardia), Nisoldipine (Sular)
- Clonidine
- Diuretics (loops, thiazides)
- Vasodilators (hydralazine)
- Other, specify

Question Added: 29 JUL 2019

8b.ii

**Is the patient still currently on medication for hypertension?**  Yes  No  Unknown

Question Added: 29 JUL 2019

9

**Schooling**

- Completed high school, >18 yo
- Delayed grade level
- Not applicable, <6 years
- Special education
- Status unknown
- Within one grade level

Question Added: 01 JAN 1996

<b>10</b>	<b>Exercise Test</b> <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown <input type="radio"/> Not Routinely Done	Question Added: 01 JAN 1996
<b>10a</b>	<b>If exercise test not performed, specify reason</b> <input type="radio"/> Age inappropriate <input type="radio"/> Too sick <input type="radio"/> Unknown <input type="radio"/> Other, specify <input style="width: 60px; height: 15px;" type="text"/>	
<b>10b</b>	<b>Max VO<sub>2</sub>% Predicted for Age</b> <input style="width: 60px;" type="text"/> <small>Refers to predicted maximum V<sub>O</sub>2 for patient (should be listed in exercise report; if not, exercise lab personnel should be able to provide this data)</small> %	Missing Reason: <input type="radio"/> Not Done <input type="radio"/> Unknown
<b>10c</b>	<b>VO<sub>2</sub> at follow-up</b> <input style="width: 60px;" type="text"/> <small>Maximum oxygen consumption</small> ml/kg/min	Missing Reason: <input type="radio"/> Not Done <input type="radio"/> Unknown
<b>10d</b>	<b>Respiratory Value at Peak</b> <input style="width: 60px;" type="text"/> <small>RER or Respiratory Quotient: R Value at peak is the respiratory quotient of carbon dioxide production divided by oxygen consumption, and is used as an index of how vigorously the patient exercised. A value above 1.05 is generally considered to represent an adequate effort.</small>	Missing Reason: <input type="radio"/> Not Done <input type="radio"/> Unknown

<b>11</b>	<b>Primary insurance at followup</b> <input type="radio"/> Charitable Donation <input type="radio"/> Free <input type="radio"/> Government <input type="radio"/> Private <input type="radio"/> Self Pay <input type="radio"/> Unknown <input type="radio"/> Other, specify <input style="width: 60px; height: 15px;" type="text"/>	Question Added: 01 JAN 1996
<ul style="list-style-type: none"> <li>• <b>Charitable Donation</b> – Indicates that a company, institution or individual(s) donated funds to pay for the care of the listed patient.</li> <li>• <b>Free</b> – Indicates that the listing hospital will not charge the patient for the cost of the hospitalization</li> <li>• <b>Government</b> – Other US or state government insurance. For Example, Medicaid, Medicare, CHIP (Children's Health Insurance Program), Department of VA refers to funds from the Veterans Administration or others.</li> <li>• <b>Private</b> – Refers to funds from agencies such as Blue Cross/Blue Shield, etc.</li> <li>• <b>Self Pay</b> – Indicates that the recipient will pay for the largest portion of the cost of the hospitalization.</li> <li>• <b>Other</b> – For example, funds from a foreign government. Specify foreign country in the space provided.</li> </ul>		

**Laboratory Values closest to time of this report**

Note: labs may have been collected on different dates.

<b>12a</b>	<b>Total Bilirubin</b> <input style="width: 60px;" type="text"/> <input type="radio"/> mg/dL <input type="radio"/> umol/L	<b>Range Information</b> Too Low: < 0 Normal: Between 0.3 and 1.2 Question Zone: > 2.4 Red Flag Zone: > 10	Missing Reason: <input type="radio"/> Not Done <input type="radio"/> Unknown	Question Added: 01 JAN 2010
<b>12b</b>	<b>Direct Bilirubin</b> <input style="width: 60px;" type="text"/> <input type="radio"/> mg/dL <input type="radio"/> umol/L	<b>Range Information</b> Too Low: < 0 Normal: Between 0 and 0.2 Question Zone: > 0.4 Red Flag Zone: > 5	Missing Reason: <input type="radio"/> Not Done <input type="radio"/> Unknown	Question Added: 01 JAN 2010
<b>12c</b>	<b>AST</b> <input style="width: 60px;" type="text"/> <small>Aspartate transaminase (also SGOT)</small> U/L	<b>Range Information</b> Too Low: < 0 Normal: Between 10 and 60 Question Zone: > 120 Red Flag Zone: > 1000	Missing Reason: <input type="radio"/> Not Done <input type="radio"/> Unknown	Question Added: 01 JAN 2010
<b>12d</b>	<b>ALT</b> <input style="width: 60px;" type="text"/> <small>Alanine transaminase (also SGPT)</small> U/L	<b>Range Information</b> Too Low: < 0 Normal: Between 7 and 45 Question Zone: > 90 Red Flag Zone: > 1000	Missing Reason: <input type="radio"/> Not Done <input type="radio"/> Unknown	Question Added: 01 JAN 2010
<b>12e</b>	<b>BNP</b> <input style="width: 60px;" type="text"/> <small>B-type natriuretic peptide</small> pg/mL or ng/L	<b>Range Information</b> Too Low: < 0 Normal: Between 10 and 100 Question Zone: > 1000 Red Flag Zone: > 10000	Missing Reason: <input type="radio"/> Not Done <input type="radio"/> Unknown	Question Added: 01 JAN 2010
	<b>Pro BNP</b> <input style="width: 60px;" type="text"/> <small>Pro NT B-type natriuretic peptide</small>	<b>Range Information</b> Too Low: < 0 Normal: Between 10 and 300	Missing Reason: <input type="radio"/> Not Done	Question Added: 07 OCT 2015

12f

- pg/mL or ng/L
- pmol/L

Question Zone: > 3000  
Red Flag Zone: > 30000

Unknown

12g

**CRP**   
C reactive protein  mg/dL  
 mg/L

**Range Information**  
Too Low: < 0  
Normal: Between 0 and 0.5  
Question Zone: > 5  
Red Flag Zone: > 50

Missing Reason:  
 Not Done  
 Unknown

Question Added: 01 JAN 2010

12h

**Creatinine**   
 mg/dL  
 umol/L

**Range Information**  
Too Low: < 0  
Normal: Between 0.2 and 1.3  
Question Zone: > 2.5  
Red Flag Zone: > 10

Missing Reason:  
 Not Done  
 Unknown

Question Added: 01 JAN 1996

12i

**BUN**   
Blood urea nitrogen  mg/dL  
 Urea mmol/L

**Range Information**  
Too Low: < 0  
Normal: Between 4 and 20  
Question Zone: > 40  
Red Flag Zone: > 120

Missing Reason:  
 Not Done  
 Unknown

Question Added: 01 JAN 1996

12j

**Cystatin C**   
mg/L

**Range Information**  
Too Low: < 0  
Normal: Between 0.5 and 1.4  
Question Zone: > 2.8  
Red Flag Zone: > 10

Missing Reason:  
 Not Done  
 Unknown

Question Added: 07 OCT 2015

12k

**Total Protein**   
 g/dL  
 g/L

**Range Information**  
Too Low: < 0  
Normal: Between 3.6 and 8.1  
Question Zone: > 12  
Red Flag Zone: > 16

Missing Reason:  
 Not Done  
 Unknown

Question Added: 01 JAN 1999

12l

**Pre Albumin**   
 mg/dL  
 g/L

**Range Information**  
Too Low: < 0  
Normal: Between 15 and 40  
Question Zone: > 60  
Red Flag Zone: > 80

Missing Reason:  
 Not Done  
 Unknown

Question Added: 07 OCT 2015

12m

**Serum Albumin**   
 g/dL  
 g/L

**Range Information**  
Too Low: < 0  
Normal: Between 1.9 and 5.8  
Question Zone: > 10  
Red Flag Zone: > 12

Missing Reason:  
 Not Done  
 Unknown

Question Added: 01 JAN 1999

12n

**Cholesterol**   
Total Cholesterol  mg/dL  
 mmol/L

**Range Information**  
Too Low: < 50  
Normal: Between 50 and 199  
Question Zone: > 300  
Red Flag Zone: > 600

Missing Reason:  
 Not Done  
 Unknown

Question Added: 01 JAN 1996

12o

**TG**   
Triglycerides  mg/dL  
 mmol/L

**Range Information**  
Too Low: < 0  
Normal: Between 28 and 149  
Question Zone: > 250  
Red Flag Zone: > 500

Missing Reason:  
 Not Done  
 Unknown

Question Added: 01 JAN 1996

12p

**LDL**   
Low density lipoprotein  mg/dL  
 mmol/L

**Range Information**  
Too Low: < 40  
Normal: Between 40 and 159  
Question Zone: > 250  
Red Flag Zone: > 500

Missing Reason:  
 Not Done  
 Unknown

Question Added: 01 JAN 1996

12q

**HDL**   
High density lipoprotein  mg/dL  
 mmol/L

**Range Information**  
Too Low: < 10  
Normal: Between 35 and 55  
Question Zone: > 70  
Red Flag Zone: > 80

Missing Reason:  
 Not Done  
 Unknown

Question Added: 01 JAN 1996

12r

**VLDL**   
Very low density lipoprotein  mg/dL  
 mmol/L

**Range Information**  
Too Low: < 0  
Normal: Between 2 and 30  
Question Zone: > 60  
Red Flag Zone: > 250

Missing Reason:  
 Not Done  
 Unknown

Question Added: 01 JAN 1996

**Glomerular Filtration Rate (GFR)**

13a

**GFR method**  12 or 24 hour urine collection  
 Calculated, specify method  
  
 Nuclear medicine scan  
 Not Done  
 Unknown

Question Added: 01 JAN 2010

13b

**Specify results**

Question Added: 01 JAN 2010

13b

Specify Units

Question Added: 01 JAN 2010

**Viral Studies**

14a

**CMV serology**  Negative  Not Done  Positive  Unknown

Question Added: 01 JAN 2010

14b

**CMV PCR**  Negative  Not Done  Positive  Unknown

Question Added: 01 JAN 2010

14c

**EBV serology**  Negative  Not Done  Positive  Unknown

Question Added: 01 JAN 2010

14d

**EBV PCR**  Negative  Not Done  Positive  Unknown

Question Added: 01 JAN 2010

**Events since transplant or last Form 8**

15a

**Coronary Evaluation**  Yes  
If yes, complete form 4  No

Question Added: 01 JAN 2005

15a.i

**Coronary Evaluation Event Date:**

Question Added: 07 OCT 2015

15b

**Rejection**  Yes  
If yes, complete form 5  No

Question Added: 01 JAN 2005

15b.i

**Rejection Event Date:**

Question Added: 07 OCT 2015

15c

**Infection**  Yes  
If yes, complete form 6  No

Question Added: 01 JAN 2005

15c.i

**Infection Event Date:**

Question Added: 07 OCT 2015

15d

**Malignancy/PTLD**  Yes  
If yes, complete form 7  No

Question Added: 01 JAN 2005

15d.i

**Malignancy Event Date:**

Question Added: 07 OCT 2015

15e

**Coronary Revascularization**  Yes  
If yes, complete form 9  No

Question Added: 01 JAN 2005

15e.i

**Coronary Revascularization Event Date:**

Question Added: 07 OCT 2015

15f

**Death**  Yes  
If yes, complete form 10  No

Question Added: 01 JAN 2005

15f.i

Death Event Date:

Question Added: 07 OCT 2015

15g

**Retransplantation**  Yes  
If yes, complete form 1RL, 1T, 2, and 3  No

Question Added: 01 JAN 2005

15g.i

Retransplantation Event Date:

Question Added: 07 OCT 2015

15h

**Renal Transplant**  Yes  
If yes, complete form 14  No

Question Added: 01 JAN 2010

15h.i

Renal Transplant Event Date:

Question Added: 07 OCT 2015

15i

**Dialysis**  Yes  
If yes, complete form 14  No

Question Added: 01 JAN 2010

15i.i

Dialysis Event Date:

Question Added: 07 OCT 2015

15i.ii

**Acute Dialysis**  Yes  
 No

Question Added: 01 JAN 2010

15i.iii

**Chronic Dialysis**  Yes  
 No

Question Added: 01 JAN 2010

15j

**Diabetes Requiring Insulin since the last follow-up?**  Yes  
 No

Select "Yes" every year at time of annual follow-up if the patient is on insulin for diabetes since last follow-up, even if the insulin start date has not changed since the last follow-up.

Question Added: 01 JAN 2005

15j.i

Diabetes Event Date:

Date the patient started insulin. If the patient stopped insulin and restarted, it should be the most recent start date.

Question Added: 07 OCT 2015

15k

**Does the patient have a new tracheostomy since last follow-up?**  Yes  
 No  
 Unknown

Question Added: 04 NOV 2019

15l

**Other major events**  Yes  
 No

Question Added: 01 JAN 2005

15l.i

Other major events Event Date:

Question Added: 07 OCT 2015

15m

**Was the Peds QL survey administrated at the time of this annual follow-up or in the last year?**  Yes  
 No

Question Added: 08 JUN 2020

15m.i

Date of Survey

Question Added: 08 JUN 2020



15m.ii

Please enter the reason the survey was not administered

- Administrative/staff omission due to unavailability, time constraints, other
- Center not participating in QoL data collection at this time
- Language barrier
- Not Applicable – follow-up prior to PHTS collection of QoL data
- Patient declined
- Patient too sick
- Unable to contact patient
- Other, specify

Question Added: 08 JUN 2020

15n

Was the Family Impact Scale survey administered at the time of this annual follow-up or in the last year?

- Yes
- No

Question Added: 08 JUN 2020

15n.i

Date of Survey

Question Added: 08 JUN 2020

15n.ii

Please enter the reason the survey was not administered

- Administrative/staff omission due to unavailability, time constraints, other
- Center not participating in QoL data collection at this time
- Language barrier
- Not Applicable – follow-up prior to PHTS collection of QoL data
- Parent declined
- Patient too sick
- Unable to contact parent
- Other, specify

Question Added: 08 JUN 2020