

# SPECIMEN COLLECTION FORM for Visit 1a (L01)

## CKiD Chronic Kidney Disease in Children Cohort Study (CKiD)

### SECTION A: GENERAL INFORMATION

A1. PARTICIPANT ID: AFFIX ID LABEL OR ENTER NUMBER IF ID LABEL IS NOT AVAILABLE

|\_| - |\_|\_| - |\_|\_|\_|

A2. CKiD VISIT #:   0     1     a  

A3. FORM VERSION:   0     1   /   0     1   /   0     6  

A4. DATE OF VISIT:       /       /              
M M D D Y Y Y Y

A5. FORM COMPLETED BY:           
(INITIALS)

### SECTION B: PREGNANCY TEST AND URINE COLLECTION

B1. Is participant a female of child-bearing potential?

Yes..... 1 (See PROMPT Below)

No..... 2 (Skip to B4)

**PROMPT: QUESTION B2 IS FOR FEMALE PARTICIPANTS OF CHILD-BEARING POTENTIAL ONLY. URINE PREGNANCY TEST DATE MUST FALL WITHIN 72 HOURS BEFORE GFR TESTING DATE.**

B2. a. Urine pregnancy test date:       /       /              
M M D D Y Y Y Y

b. Urine pregnancy results:

Positive..... 1 (END; COMPLETE DISENROLLMENT FORM)

Negative..... 2

B3. Is this study visit a Make-Up GFR visit?

Yes..... 1 (Skip to E1)

No..... 2

## SPECIMEN COLLECTION FORM for Visit 1a (L01)

### URINE COLLECTION

Obtain urine collected at home. (Family was instructed to collect urine at home in a container, such as a jar. IF URINE WAS NOT collected at home, collect FRESH urine into an initial urine collection cup or hat (provided by the site).

↓

Pour 5 to 14.5 mL of urine into blue top urine collection tube (provided by CBL).

↓

Check that all information is correct on the urine collection tube and follow packaging instructions and ship to CBL.

<b>Reasons Code List *</b>	1 = Not required	3 = Participant Refused	5 = Inadvertently Destroyed
	2 = Difficult Urine Collection	4 = Collection Contamination	6 = Oversight

Sample Type (Required Volume in Top Color Tube Type):	(a) Sample Obtained: <u>Yes</u> <u>No</u>	(b) If No, specify reason *SEE CODE LIST ABOVE	(c) Additional Requirements:				
B4. 1 <sup>st</sup> Morning Urine (Urine Creatinine, Urine Protein) (5.0 mL–14.5 mL in Blue Top tube)	<table style="margin: auto;"> <tr> <td style="padding: 0 10px;">1</td> <td style="padding: 0 10px;">2</td> </tr> <tr> <td colspan="2">(skip to c→)</td> </tr> </table>	1	2	(skip to c→)		<p>— —</p> <p>(skip to C1)</p>	i. Was urine collected at home? Yes.....1 No.....2  ii. Time of Collection: ___ : ___ 1 = am, 2 = pm
1	2						
(skip to c→)							

↓

Encourage fluids throughout the visit.

↓

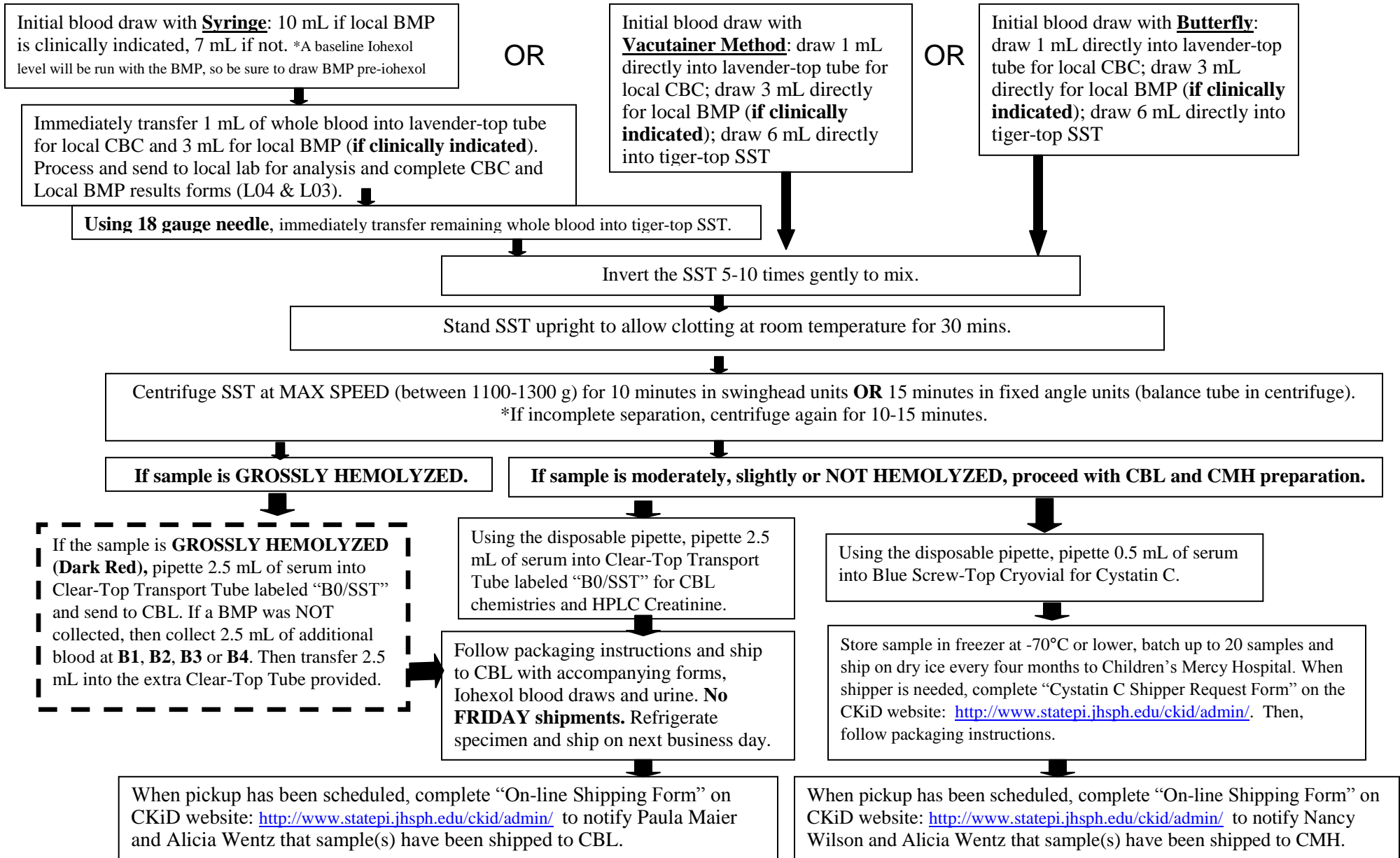
Place two IV lines (22 gauge polyethylene catheters); one in each arm  
 --OR--  
 Place one butterfly and one IV line (22 gauge polyethylene catheter); one in each arm;  
 use tape to stabilize butterfly for Iohexol infusion

↓

Complete Time=0 (Pre-Iohexol Infusion) blood draw according to MOP instructions/flowchart on page 3.  
 NOTE: If patient has had a local CBC drawn within the past 30 days, those CBC results may be used instead of drawing another CBC and blood draw amounts can be decreased by 1 ml.

# SPECIMEN COLLECTION FORM for Visit 1a (L01)

## SECTION C: PRE-IOHEXOL INFUSION (B0) BLOOD DRAW



## SPECIMEN COLLECTION FORM for Visit 1a (L01)

C1. ACTUAL TIME OF PRE-IOHEXOL INFUSION (B0) BLOOD DRAW \_\_\_\_\_ : \_\_\_\_\_ 1 = AM 2 = PM

**PROMPT: IF SUSPECTED BLOOD DRAW ADVERSE EVENT (i.e., infection), complete Adverse Event (ADVR) Form**

<b>Reasons Code List *</b>	1 = Not required	3 = Participant Refused	5 = Inadvertently Destroyed
	2 = Difficult Blood Draw	4 = Red Blood Cell Contamination	6 = Oversight

Sample Type (Required Volume in Top Color Tube Type):	(a) Sample Obtained:  Yes      No	(b) If No, specify reason *SEE CODE LIST ABOVE	(c) Additional Requirements:
C2. Renal Chemistries and HPLC (5.0 mL in Tiger Top SST)	1      2 (skip to c→)	_____ (skip to C3)	Indicate the appearance of the serum after centrifuging. Grossly (Dark Red).....1 Moderately (Red/Light Red).....2 Slightly (Pink).....3 Not Hemolyzed (Clear).....4
C3. Cystatin C (1.0 mL in Tiger Top SST)	1      2 (skip to c→)	_____ (skip to C4)	Frozen Date: ____ / ____ / ____ M M D D Y Y Y Y
C4. Local CBC (1.0 mL in Lavender Top tube)	1      2 (skip to C5)	_____ (skip to C5)	<b>N/A</b>

C5. Please indicate:

a. The fax number to which the Central Biochemistry Lab should fax lab results

Fax number: \_\_\_\_\_

b. The recipient's name who will be receiving the results

Recipient's name: \_\_\_\_\_

## SPECIMEN COLLECTION FORM for Visit 1a (L01)

---

### SECTION D: OPTIONAL LOCAL LAB TESTS (IF CLINICALLY INDICATED)

Check with the PI at your clinical site to determine whether or not it is **CLINICALLY INDICATED** to obtain additional local labs. These are instances when the PI can not wait for faxed CBL lab results (2-3 working days) or the participant needs additional local labs performed (i.e., local BMP, local Urine Creatinine and Urine Protein) OR CBL sample is GROSSLY HEMOLYZED.

- D1. Was a basic metabolic panel (BMP) assay performed at the clinical site's local laboratory?  
Yes..... 1 → **Complete Local Basic Metabolic Panel Results Form L03 ONLY if local labs are CLINICALLY INDICATED or CBL Renal Panel Serum is GROSSLY HEMOLYZED**  
No..... 2
- D2. Was a 1<sup>st</sup> morning urine protein to creatinine ratio assay performed at the clinical site's local laboratory?  
Yes..... 1 → **Complete Local Urine Assay Results Form L06 ONLY if local labs are CLINICALLY INDICATED**  
No..... 2

### SECTION E: INFUSION SYRINGE WEIGHT

- E1. **SCALE MUST BE FIRST ZEROED BEFORE WEIGHING. REMOVE ALUMINUM FOIL PRIOR TO WEIGHING THE SYRINGE. THE SAME SCALE MUST BE USED TO WEIGH THE SYRINGE PRE AND POST IOXEHOL INFUSION.**
- a. Syringe Weight **Pre- Iohexol Infusion:** \_\_\_\_ . \_\_\_\_ (g)
- b. Syringe Weight **Post- Iohexol Infusion:** \_\_\_\_ . \_\_\_\_ (g) (Post-Infusion Weight should be **at least 6.0g** less than Pre-Infusion Weight. If Post-Infusion Weight is not at least 6g less, please confirm.)

**PRE AND POST SYRINGE WEIGHT MUST BE OBTAINED IN ORDER TO CALCULATE CHILD'S GFR.**

### SECTION F: IOHEXOL – Refer to Instructions for Iohexol Infusion and GFR Blood Draws Flow Chart on Page 8

- **BEFORE INFUSING IOHEXOL, SET TIMER = 0. SIMULTANEOUSLY START TIMER AND BEGIN IOHEXOL INFUSION**
- **COMPLETE INFUSION BETWEEN 1 TO 2 MINS.**
- **LEAVE TIMER RUNNING THROUGHOUT IOHEXOL INFUSION AND SUBSEQUENT BLOOD DRAWS**

- F1. IOHEXOL INFUSION
- a. INFUSION START TIME: \_\_\_\_ : \_\_\_\_ 1 = AM 2 = PM

## SPECIMEN COLLECTION FORM for Visit 1a (L01)

- **DO NOT DRAW BLOOD FROM THE IV SITE WHERE IOHEXOL WAS INFUSED. ANOTHER IV SITE MUST BE USED.**
- **COLLECT 1 mL of BLOOD FOR EACH IOHEXOL BLOOD DRAW AND TRANSFER INTO THE PROVIDED SST.**
- **RECORDING THE EXACT NUMBER OF MINUTES ON THE TIMER IS MORE IMPORTANT THAN DRAWING THE BLOOD EXACTLY AT 10, 30, 120 & 300 MINUTES AFTER IOHEXOL INFUSION. FOR EXAMPLE, IF BLOOD IS DRAWN AT 33 MINS INSTEAD OF 30 MINS, DOCUMENT BLOOD DRAWN @ 33 MINS.**
- **TIME SHOULD BE RECORDED IMMEDIATELY AFTER EACH BLOOD SAMPLE IS OBTAINED (i.e., B1, B2, B3, B4).**

		(i) <b>ACTUAL MINUTES on TIMER</b>	(ii) <b>ONLY if Timer malfunctions, record Clock Time using the same clock used for F1a</b>	(iii) <b>Difficult Blood Draw:</b>		(iv) <b>Blood Volume Collected (1 mL):</b>	(v) <b>Centrifuged at Clinical Site:</b>	
				<b>Yes</b>	<b>No</b>		<b>Yes</b>	<b>No</b>
F2a.	<b>B1</b> 10 min:	___ ___ minutes	___ : ___ 1 = AM 2 = PM	1 (Skip to b)	2	___ . ___ mL	1 (Skip to F3a)	2 (Skip to F3a)
b.	<b>B1</b> 2 <sup>nd</sup> attempt:	___ ___ minutes	___ : ___ 1 = AM 2 = PM	1	2	___ . ___ mL	1	2

**INVERT TUBE 5-10 TIMES AFTER EACH BLOOD DRAW  
LET SST TUBE STAND 20-30 MINUTES (BUT NO LONGER THAN 1 HOUR)  
CENTRIFUGE FOR AT LEAST 15 MINUTES AT 3000 RPM**

**POST VITALS SHOULD BE TAKEN IMMEDIATELY AFTER THE 10 MINUTE BLOOD DRAW  
USING LOCAL BLOOD PRESSURE MEASUREMENT (i.e. DINAMAP)**

- **If rash develops after Iohexol Infusion, consider it a reaction to Iohexol and notify PI immediately. Consider administration of 1 mg/kg Benadryl IV (maximum dose: 50 mg Benadryl IV).**
- **In the rare event that systolic BP decreases more than 25 mm Hg, diastolic BP decreases more than 20 mmHg, or pulse increases more than 20 beats per min, notify PI immediately to evaluate reaction and complete the Adverse Event (ADVR) Form. Consider the possibility of an anaphylactic reaction to Iohexol. Consider administration of 1 mg/kg Benadryl IV (maximum dose: 50 mg Benadryl IV). Draw up to 0.1 mL 1:1000 Epinephrine for SQ injection and 2 mg/kg Solumedrol IV for administration as ordered by physician.**

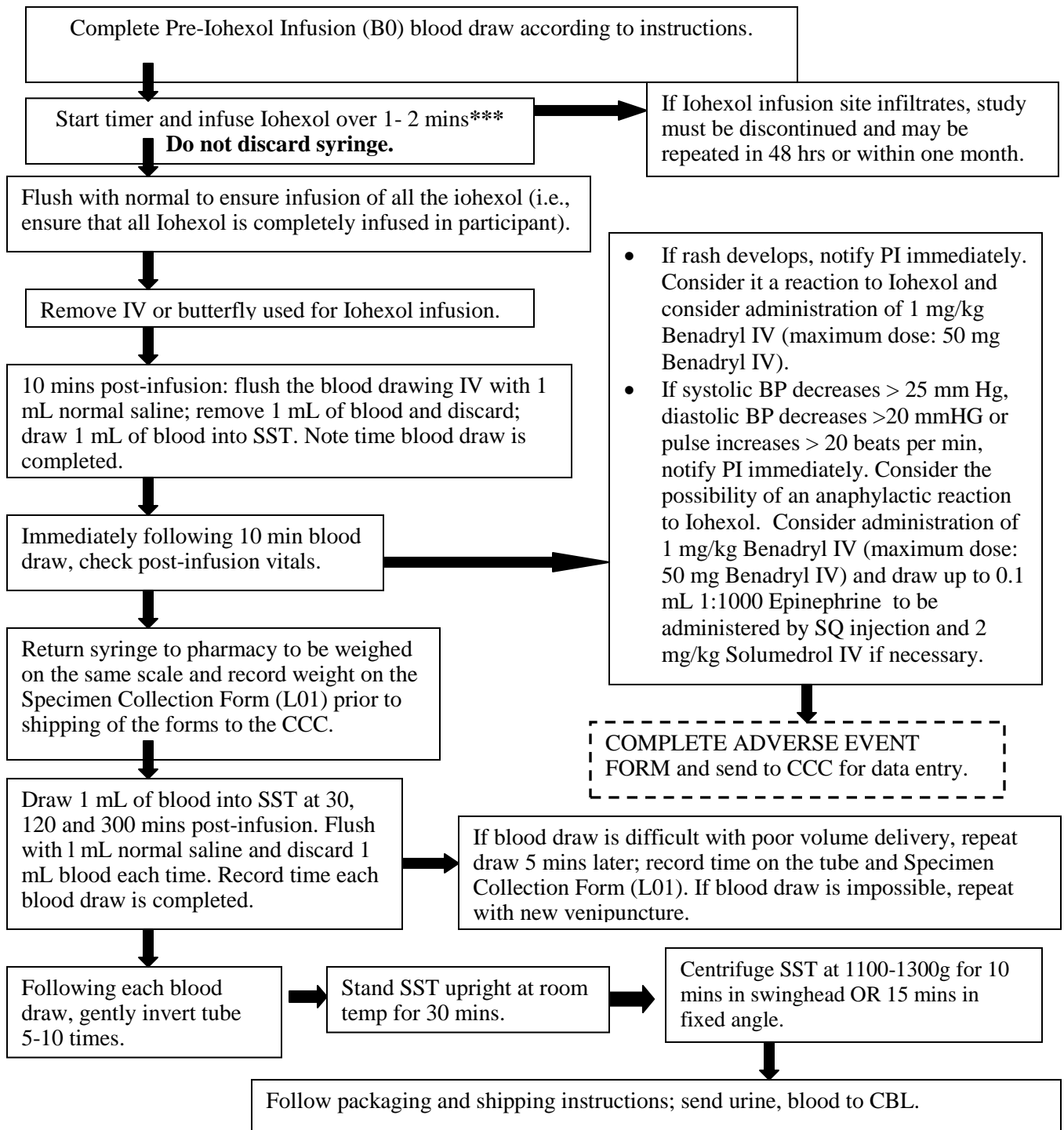
## SPECIMEN COLLECTION FORM for Visit 1a (L01)

<b>(i) Post Vitals:</b>		
F3a.	Post- infusion blood pressure:	_____ / _____
b.	Post-infusion temperature:	_____.____ 1 = °C 2 = °F
c.	Post-infusion number of heart beats per minute:	_____
d.	Post-infusion respirations per minute:	_____

		(i) <b>ACTUAL MINUTES ON TIMER</b>	(ii) <b>ONLY if Timer malfunctions, record Clock Time using the same clock used for F1a</b>	(iii) <b>Difficult Blood Draw:</b>		(iv) <b>Blood Volume Collected (1 mL):</b>	(v) <b>Centrifuged at Clinical Site:</b>	
				Yes	No		Yes	No
F4a.	<b>B2</b> 30 min:	___ ___ minutes	_____ : _____ 1 = AM 2 = PM	1 (Skip to b)	2	___ . ___ mL	1 (Skip to F5a)	2 (Skip to F5a)
	b. <b>B2</b> 2 <sup>nd</sup> attempt:	___ ___ minutes	_____ : _____ 1 = AM 2 = PM	1	2	___ . ___ mL	1	2
F5a.	<b>B3</b> 120 min (2 hrs):	___ hr ___ ___ mins	_____ : _____ 1 = AM 2 = PM	1 (Skip to b)	2	___ . ___ mL	1 (Skip to F6a)	2 (Skip to F6a)
	b. <b>B3</b> 2 <sup>nd</sup> attempt:	___ hr ___ ___ mins	_____ : _____ 1 = AM 2 = PM	1	2	___ . ___ mL	1	2
F6a.	<b>B4</b> 300 min (5 hrs):	___ hr ___ ___ mins	_____ : _____ 1 = AM 2 = PM	1 (Skip to b)	2	___ . ___ mL	1 (END)	2 (END)
	b. <b>B4</b> 2 <sup>nd</sup> attempt:	___ hr ___ ___ mins	_____ : _____ 1 = AM 2 = PM	1	2	___ . ___ mL	1	2

# SPECIMEN COLLECTION FORM for Visit 1a (L01)

## Instructions for Iohexol Infusion and GFR Blood Draws



**\*\*\*Physician should be immediately available (in person or by phone) during Iohexol Infusion.**