CKiD Chronic Kidney Disease in Children Cohort Study SECTION A: GENERAL INFORMATION

A1.	PARTICIPANT II	D: AFFIX ID LABEL OR E	NTER NUMBER IF ID LABEL IS NOT AVAILABLE
			- -
A2.	A2. CKID VISIT #:		
A3.	FORM VERSIO	DN:	0 1 / 0 1 / 0 7
A4.	SPECIMEN COLLECTION DATE:		$\frac{1}{M} \frac{1}{M} \frac{1}{D} \frac{1}{D} \frac{1}{Y} \frac{1}{Y} \frac{1}{Y} \frac{1}{Y}$
A5.	FORM COMPL	ETED BY (INITIALS):	
A6.	Is this study vis	it an accelerated visit?	Yes 1 No 2
<u>Sa</u> Se	e following sam mples: rum rum	ples should be collect Shipped to CBL CMH	ed. <u>Shipped:</u> IMMEDIATELY Batched (Ship in Jan, Apr, Jul or Oct)
		CBL CBL	IMMEDIATELY IMMEDIATELY
If consent is obtained for biological samp <u>Samples:</u> <u>Shipped to:</u> Serum (Biological) NIDDK Biosample R		Shipped to:	Shipped:
Pla	asma (Biologica	l) NIDDK Biosample R	epository Batched (Ship in Jul, Apr, Jul or Nov)
Ur	ine (Biological)	NIDDK Biosample R	epository Batched (Ship in Jul, Apr, Jul or Nov)



SECTION B: PREGNANCY TEST AND FIRST URINE COLLECTION

B1.	31. Is participant a female of child-bearing potential?					
	Yes No	·				
		PARTICIPANTS OF CHILD-BEARING POTENTIAL ONLY. ALL WITHIN 72 HOURS BEFORE GFR TESTING DATE.				
B2.	a. Urine pregnancy test date:b. Urine pregnancy results:	$\overline{M} \overline{M}' \overline{D} \overline{D}' \overline{Y} \overline{Y} \overline{Y} \overline{Y}$				
		1 (END; COMPLETE DISENROLLMENT FORM) 2				
В3.	Is this study visit a Make-Up GFR visit	1?				
	Yes	1 (See PROMPT Below)				
	No	2 (Skip to B5)				
MAK	BEFORE THE IOHEXOL INFUSIO	1.0 mL OF BLOOD IN THE PROVIDED SST LABELED B0 N. Dood was not collected from a butterfly.)				
B4.	Indicate reason(s) for a Make-Up GFF	R visit: (Circle "Yes" or "No" for each):				
	. ,	Yes No				
	IV infiltration	1 2				
	Inability to successfully draw 4 blood samples for iohexol	1 2				
	Other reason	1 2 (Skip to F1)				
	Specify:	(Skip to F1)				

FIRST MORNING URINE COLLECTION

Obtain urine collected at home in the specimen container that was shipped to the family before the visit. IF URINE WAS NOT collected at home, collect FRESH urine into a specimen container provided by central biochemistry laboratory (containers were shipped in batches to each site).



Pour 5 to 14.5 mL of urine into blue top urine collection tube and 5 to 14.5 mL into a second 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.

Reasons Code List*:1= Not required3 = Participant Refused5 = Inadvertently Destroyed2 = Difficult Urine Collection4 = Collection Contamination6 = Oversight

(R	Sample Type equired Volume in Top Color Tube	(a) Sample Obtained:		(b) If No, specify reason *SEE CODE LIST ABOVE	(c) Additional Requirements:	
		<u>Yes</u>	<u>No</u>	SEE CODE LIST ABOVE		
B5.	Urine Creatinine, Urine Protein (5.0 mL-14.5 mL in Blue Top tube)	1 (skip to c→)	2	 (skip to B6)	i. Is this a first morning urine sample? Yes2 ii. Time of Collection:: 1 = am, 2 = pm	
B6.	Urine (Heavy Metals) (5.0-14.5 mL in Blue Top tube)	1 (skip to C1)	2	(skip to C1)	NA	

Encourage fluids throughout the visit.

Place two IV lines (22 gauge or less polyethylene catheters); one in each arm --OR---

Place one butterfly and one IV line (22 gauge or less polyethylene catheter); one in each arm; use tape to stabilize butterfly for Iohexol infusion



Complete Pre-iohexol Infusion (B0) blood draw according to MOP instructions/flowchart on page 4. 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 on pre-iohexol infusion (B0) blood draw can be decreased by 1 ml.

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

For Initial Blood Draw with <u>Syringe</u>, <u>Vacutainer</u> OR <u>Butterfly</u> Method: Select the Type of Consent Obtained (options 1 through 4) That Pertain to the CKiD Participant:

If participant consented to BIOLOGICAL samples:

Collect 18.5-21.0 mL if participant is < 30 kg OR 25.0 mL if participant is $\ge 30 \text{ kg}$.

If < 30 kg, immediately transfer (using 18 gauge needle) or draw:

- 10.5 mL into (2) Tiger-Top SSTs for CBL, NIDDK BR & CMH
- 3 mL into (1) PST for NIDDK Biosample Repository
- 1 mL into Tan-Top tube
- 1 mL in lavender-top tube for local CBC (tube not provided in CBL kit)
- 3 mL in another tube (not provided) for local Renal Panel
- 2.5 mL of additional blood in SST for CBL (if initial sample is GROSSLY HEMOLYZED)

If ≥ 30 kg, immediately transfer (using 18 gauge needle) or draw:

- 12.5 mL into (2) Tiger-Top SSTs for CBL, NIDDK BR & CMH
- 5 mL into (2) PST for NIDDK Biosample Repository
- 1 mL into Tan-Top tube
- 1 mL in lavender-top tube for local CBC (tube not provided in CBL kit)
- 3 mL in another tube (not provided) for local Renal Panel
- 2.5 mL of additional blood in SST for CBL (if initial sample is GROSSLY HEMOLYZED)

2 If participant did NOT consent to BIOLOGICAL samples:
Collect 12.5-15.0 mL from all participants (regardless of weight) as specified below.

Immediately transfer (using 18 gauge needle) or draw:

- 7.5 mL into (1) Tiger-Top SSTs for CBL & CMH
- 1 mL into Tan-Top tube
- 1 mL in lavender-top tube for local CBC (tube not provided in CBL kit)
- 3 mL in another tube (not provided) for local Renal Panel
- 2.5 mL of additional blood in SST for CBL (if initial sample is GROSSLY HEMOLYZED)

PROCESSING OF PRE-IOHEXOL INUSION BLOOD FOR CBL, CMH & NIDDK BR

Invert the SST & PST 5-10 times gently to mix.

Stand SST upright to allow clotting at room temperature for 30 mins.

Centrifuge SST & PST at MAX SPEED (between 1100-1300 g) for 10 minutes in swinghead units **OR** 15 minutes in fixed angle units (balance tube in centrifuge).*If incomplete separation, centrifuge again for 10-15 minutes.

If sample is GROSSLY HEMOLYZED.

If sample is moderately, slightly or NOT HEMOLYZED, proceed with CBL, NIDDK BR and CMH preparation.

If the sample is GROSSLY

HEMOLYZED (Dark Red), collect
2.5 mL of additional blood at B1, B2,
B3 or B4. Centrifuge and then transfer serum into the extra Clear-Top Tube provided.

CBL

Using the disposable pipette, pipette 3.0 mL of serum into Clear-Top Transport Tube labeled "B0/SST" for CBL chemistries, Serum Creatinine and lipids. Follow packaging instructions and ship to CBL with accompanying forms, iohexol blood draws, TAN-TOP blood tube, and urine. **No FRIDAY shipments.** Refrigerate specimen and ship on next business day.

NIDDK BR

Pipette 1.5 mL (<30kg) or 2.5 mL (≥ 30kg) of serum into clear top cryovial & 1.5 or 2.5 mL of plasma into cryovial into green cap insert.

Store samples in freezer at -70°C or lower, & batch up to 40 samples and ship on dry ice in January, April, July or October to the NIDDK BR. When shipper is needed, complete "NIDDK BR Shipper Request Form" on the CKiD website:

http://www.statepi.jhsph.edu/ckid/admin/. Then, follow packaging instructions.

CMH

Using the disposable pipette, pipette 0.5 mL of serum into Blue Screw-Top Cryovial for Cystatin C.

Store sample in freezer at -70°C or lower, batch up to 20 samples and ship on dry ice every four months to Children's Mercy Hospital. When shipper is needed, complete "Cystatin C Shipper Request Form" on the CKiD website:

 $\underline{\text{http://www.statepi.jhsph.edu/ckid/admin/}} Then, follow packaging instructions.$

When pickup has been scheduled, complete "On-line Shipping Form" on CKiD website: http://www.statepi.jhsph.edu/ckid/admin/ to notify the appropriate personnel from the CBL, CMH and the NIDDK BR.

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

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

Reasons Code List*: 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):		quired Volume in Top Color Sample Obtained:		(b) If No, specify reason *SEE CODE LIST ABOVE	(c) Additional Requirements:
		<u>Yes</u>	<u>No</u>		
C2.	Renal Chemistries (5.0 mL in Tiger Top SST)	1 (skip to c→)	2	(skip to C3)	Indicate the appearance of the serum after centrifuging. Grossly (Dark Red)
C3.	Cystatin C (1.0 mL in Tiger Top SST)	1 (skip to c→)	2	 (skip to C4)	Date Frozen: /
C4a	Local CBC (1.0 mL in Lavender Top tube)	1 (skip to C4b)	2	(skip to C4b)	N/A
C4b	Local Renal Panel (3.0 mL in Local SST)	1 (skip to C5)	2	(skip to C5)	N/A
C5.	Serum for Fasting Lipid Panel (1.5 mL in Tiger Top SST)	1 (skip to C6)	2	(skip to C6)	Same hemolysis status as listed above in C2c.
C6.	Whole blood for Heavy Metals (1.0 mL in Tan-Top tube)	1 (skip to C7)	2	(skip to C7)	N/A

SITES CAN OBTAIN RESULTS FOR LAB VALUES THAT HAVE BEEN IDENTIFIED AS "KEY VARIABLES". TO OBTAIN RESULTS, GO TO THE CKID NEPHRON WEBSITE: https://statepiaps.jhsph.edu/nephron/groups/aspproc/, click on "Report Menu" and choose the appropriate lab report (i.e., Selected Renal Panel Lab Variables Report.)

C7.	Did the participant consent to have biological samples	(i.e., serum	, plasma and urine	e samples) s	stored at the NIDDK	Biosample
	Repository?					

Yes...... 1

Reasons Code List*: 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):		ined:	(b) If No, specify reason *SEE CODE LIST ABOVE	(c) Additional Requirements:
		<u>Yes</u>	<u>No</u>	OLL GODE LIGT ABOVE	
C8.	Serum for NIDDK Biosample Repository (**3.0 mL or **5.0 mL of blood in Tiger Top SST)	1 (skip to c→)	2	(skip to C9)	Date Frozen: /
C9.	Plasma for NIDDK Biosample Repository (**3.0 mL of blood in one Green Top or **5.0 mL in two Green Top PSTs)	1 (skip to c→)	2	(skip to D1)	Date Frozen: M M D D Y Y Y Y

^{**} Collect 3.0 mL of whole blood for children < 30 kg and 5.0 mL for children ≥ 30 kg

SECTION D: URINE COLLECTION AND PROCESSING FOR REPOSITORY

Collect FRESH urine into an initial urine collection cup or hat (provided by the site).

Pour 60 mL of FRESH urine into blue top urine collection cup with 4 protease inhibitor (PI) tablets. Do not fill the urine past the 60 mL mark on the collection cup. One protease inhibitor tablet should be used for 10-15 mL of urine (see Table A). For example if 30 mL of urine is collected, ONLY 2 PI tablets are needed. (Like all unused supplies, unused PI tablets should be returned to the CBL.)

Invert the urine cup gently 5 - 10 times.

The PI TABLET(s) MUST BE COMPLETELY DISSOLVED in the urine.

Once the PI tablets are completely dissolved, pour urine into six (6) 10 mL urine centrifuge tubes. (For each tube: remove clear top cap, pour urine into tube and SNAP cap back onto tube.) Place no more than 10 mL in each tube.

- OR - Sites may also substitute with tubes normally used to centrifuge urine at site.

ON – Sites may also substitute with tubes normany used to centringe arme at site.

Urine Volume
10 – 15 mL
16 – 30 mL
31 – 45 mL
46 – 60 mL

of PI
Tablets

1
3
4
4
4
4
4

TABLE A:

Centrifuge urine tube(s) at MAX SPEED (between 1100-1300g) for 10 mins (swinghead units) **OR** 15 mins (fixed angle units).

Decant (pour off) the supernates (liquid reaction) into seven (7) 10 mL urine cryovials. Pour no more than 9 mL of urine into each 10 mL cryovial to allow for expansion.

Check that all information is correct on the urine transport tube, promptly freeze and store sample(s) at -70°C or lower. Batch up to 36 samples. When shipper is needed, complete "NIDDK Shipper Request Form" on CKiD website: http://www.statepi.jhsph.edu/ckid/admin/.

When pickup has been scheduled, complete "On-line Shipping Form" on CKiD website to notify Heather Higgins, Sandra Ke and Alicia Wentz that sample(s) have been shipped to NIDDK B

Reasons Code List^{*}: 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) (b) Sample Obtained: If No, specify reason		If No, specify reason	(c) Additional Requirements:	
D1. Urine for NIDDK Biosample Repository (15.0 - 60.0 mL of urine in specimen container and transferred into collection cup with protease inhibitors)	Yes 1 (skip to c→)	<u>No</u> 2	*SEE CODE LIST ABOVE	i. Was supernate decanted into urine transport cryovials? Yes1 No2 ii. Date Frozen:	
				M M D D Y Y Y	

SECTION E: OPTIONAL LOCAL LAB TEST (IF CLINICALLY INDICATED)

Check with the PI at your clinical site to determine whether or not it is **CLINICALLY INDICATED** to obtain urine for local lab. These are instances when the PI needs results immediately and/or the participant needs additional local labs performed (i.e., local Urine Creatinine and Urine Protein).

E2.	Was a 1 st morning urine protein to creatinine ratio assay performed at the clinical site's local laboratory? Yes
	SECTION F: INFUSION SYRINGE WEIGHT
F1.	SCALE MUST FIRST BE ZEROED BEFORE WEIGHING. REMOVE ALUMINUM FOIL PRIOR TO WEIGHING THE SYRINGE. THE <u>SAME</u> SCALE MUST BE USED TO WEIGH THE SYRINGE <u>PRE AND POST</u> IOHEXOL INFUSION.
	a. Syringe Weight Pre-lohexol 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.)
<u>PRI</u>	E AND POST SYRINGE WEIGHT MUST BE OBTAINED IN ORDER TO CALCULATE CHILD'S GFR.
	SECTION G: IOHEXOL – Refer to <u>Instructions for Iohexol Infusion and GFR Blood Draws Flow Chart on Page 12</u>
>	BEFORE INFUSING 5 mL OF 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
G1.	IOHEXOL INFUSION a. INFUSION START TIME: : 1 = AM 2 = PM

- DO NOT DRAW BLOOD FROM THE IV SITE WHERE IOHEXOL WAS INFUSED. ANOTHER IV SITE MUST BE USED.
- WASTE 1 mL OF BLOOD IF DRAWING FROM A SALINE/HEPARIN LOCK.
- COLLECT 1 mL OF BLOOD FOR EACH IOHEXOL BLOOD DRAW IN 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 <u>AFTER</u> EACH BLOOD SAMPLE IS OBTAINED (i.e., B1, B2, B3, and B4).

		(i) ACTUAL MINUTES on TIMER	(ii) ONLY if Timer malfunctions, record Clock Time using the same clock used for G1a	(iii) Difficult Blood Draw: Yes No	(iv) Blood Volume Collected (1 mL):	(v) Centrifuged at Yes	Clinical Site:
G2a.	B1 10 min:	minutes	: 1 = AM 2 = PM	1 (Skip to b) 2	mL	1 (Skip to G3a)	2 (Skip to G3a)
b.	B1 2 nd 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 1100-1300g for 10 MINUTES IN SWING HEAD OR 15 MINUTES IN FIXED ANGLE

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

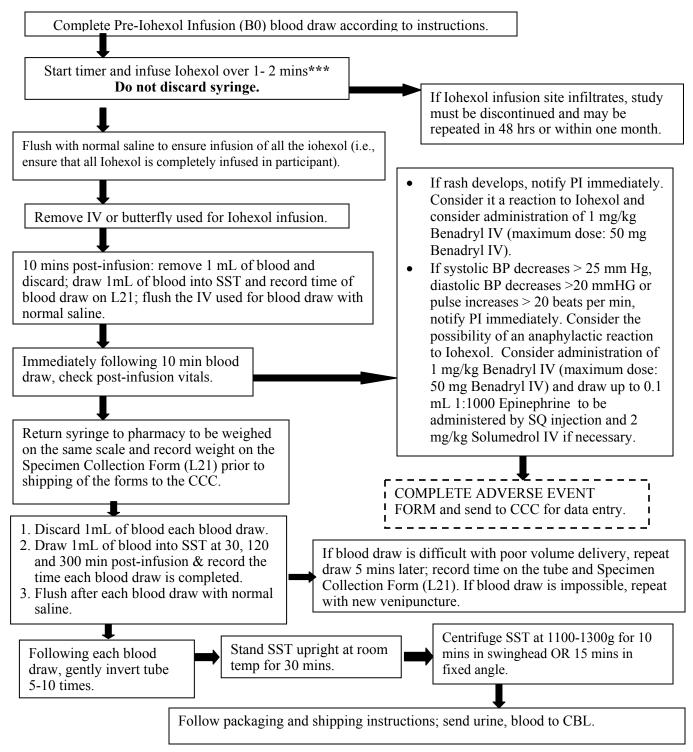
- If rash develops after lohexol Infusion, consider it a reaction to lohexol and notify PI immediately. Consider administration of 1 mg/kg Benadryl IV (maximum dose: 50 mg Benadryl IV).
- In the rare event that systolic BP decreases more than 25 mm Hg, diastolic BP decreases more than 20 mmHg, or pulse 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 lohexol. 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.

	(i) Post Vitals:							
G3a.	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) ACTUAL MINUTES on TIMER	(ii) ONLY if Timer malfunctions, record Clock Time using the same clock used for G1a	(iii) Difficult Blood Draw: Yes No	(iv) Blood Volume Collected (1 mL):	(\Centrifuged at	/) Clinical Site:
G4a.	B2 30 min:	minutes	: 1 = AM 2 = PM	1 (Skip to b) 2	mL	1 (Skip to G5a)	2 (Skip to G5a)
b.	B2 2 nd attempt:	minutes	: 1 = AM 2 = PM	1 2	mL	1	2
G5a.	B3 120 min (2 hrs):	hr mins	: 1 = AM 2 = PM	1 (Skip to b) 2	mL	1 (Skip to G6a)	2 (Skip to G6a)
b.	B3 2 nd attempt:	hr mins	: 1 = AM 2 = PM	1 2	mL	1	2
G6a.	B4 300 min (5 hrs):	hr mins	: 1 = AM 2 = PM	1 (Skip to b) 2	mL	1 (END)	2 (END)
b.	B4 2 nd attempt:	hr mins	: 1 = AM 2 = PM	1 2	mL	1	2



Instructions for Iohexol Infusion and GFR Blood Draws



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

SECTION H:

H1.	Is this a Visit 2 study visit?	
	Yes	1
	No	2 (END



H2.	Were nail clippings and hair samples collected and	d shipped at V1b?
	Yes	1 (END)
	No	2
H3.	Did the participant consent to have biological sample	oles (i.e., nail clippings and hair samples) stored at NIDDK Biosample Repository?
	Yes	1
	No	2 (END)

NAIL CLIPPING COLLECTION

- Collection of fingernails is preferred. DO NOT collect fingernail clippings if the participant has acrylic nails. If the participant cannot provide fingernail clippings, the Study Coordinator may clip the participant's toenails instead. FINGERNAILS AND TOENAILS SHOULD NOT BE COLLECTED IN THE SAME CRYOVIAL (collect one or the other).
- STAINLESS STEEL NAIL CLIPPERS MUST BE USED TO COLLECT NAIL CLIPPINGS. Use small (pediatric size) stainless steel nail clippers (see Figure A) for younger children and large stainless steel nail clippers (see Figure B) for older children. Both sizes are included in the CKiD starter package.
- Clean the blades of the nail clippers with Simple Green D prior to use (provided in 1st V1b ambient kit sent from the CBL).
- ➤ Whenever possible, the Study Coordinator should clip all (10) fingernails, removing approximately 1 millimeter from each nail (See Figure C). Be prepared to collect flyaway nails.
- ➤ (To use nail clippers, see Figures A D). Refer to CKiD MOP Section 12 for further details.
- Carefully place the nail clippings into the cryovial (see Figure D). After using the nail clipper, soak the clipper in Simple Green D.

Figure C

Figure A







Figure B







Provide 10 nail clippings that are at least 1 mm tall

H4.	Does	s the participant have acrylic nails?	
		Yes	1 (Skip to H6)
		No	2
H5.	Were	e 10 fingernail clippings collected?	
		Yes	1 (Skip to I1)
		No	2
	a.	How many fingernail clippings were collected?	
b. Specify reason "10" fingernail clippings were not collected.			ed.
		Nails not long enough	1 (Skip to H6)
		Participant Refused	-7 (Skip to H6)
		Other	2
		i. Specify:	
H6.	Wer	e 10 toenail clippings collected?	
		Yes	1 (Skip to I1)
		No	2
	a.	How many toenail clippings were collected?	
 Specify reason "10" toenail clippings were not collected: (e.g., Nail fungus or discolo discomfort) 			(e.g., Nail fungus or discoloration causing pain or
		Nail fungus or discoloration	1 (Skip to I1)
		Nails not long enough	2 (Skip to I1)
		Participant Refused	-7 (Skip to I1)
		Other	3
		i. Specify:	

SECTION I: HAIR SAMPLE COLLECTION

- STAINLESS STEEL SCISSORS MUST BE USED TO COLLECT HAIR SAMPLE. The scissors are included in the CKiD starter package.
- DO NOT collect hair sample if the participant has colored, straightened or chemically altered hair
- Clean blades of stainless steel scissors with Simple Green D prior to use.
- Use powder-free gloves.
- Refer to CKiD MOP Section 12 for further details.
 - Lift up the top layer of hair from the **occipital** region of the scalp (see Figure A). Isolate a small thatch of hair (at least 20 fibers) from this region (see Figure B).
 - Place the label with the participant's KID ID # tightly around all 20 strands of hair located at the distal end (furthest from the scalp) (see Figure C).
 - > Cut the hair sample off the participant's head as close to the scalp as possible (see Figure D).
 - Place cut thatch of hair inside aluminum foil (4 X 4) and fold the top of the foil to completely enclose the hair sample.
 - > Place the aluminum foil inside a Ziplock bag (4 X 4) with the gel desiccant pellets in it and seal.
 - > Store sample at room temperature in a dark place prior to shipment.
 - > After using the scissors, soak in **Simple Green D.**

Figure B

Figure A



rigure D

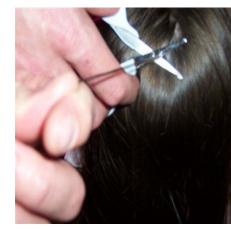


Place the KID ID label tightly around all 20 strands.

Figure D



Figure C



Cut the hair sample off the participant's head as close to the scalp as possible.

l1.	Does	Does the participant have permed, dyed, colored, straightened or chemically altered hair?			
		Yes	1 (END)		
		No	2		
l2.	Was	the Study Coordinator able to cut at least 20 fibers of hair from	the occipital region?		
		Yes	1 (END)		
		No	2		
	a.	Specify reason "20" hair fibers were not collected:			
		Hair not long enough	1 (END)		
		Participant Refused	-7 (END)		
		Other	2		
		i. Specify:			