#### **CSCC** Arginine Protocol CRF

The following pages will be used at Screening ("Week -4") visit only.

Some forms in this section will be used at other visits as well, as indicated in the protocol:

- Urinalysis
- Pregnancy

#### **Inclusion Criteria**

Item	Instructions
Questions 1-7	<ul> <li>All questions must be answered 'Yes'. For question 1, fill in the date the informed consent was signed in the dd/mmm/yy format (ex. 25SEP04).</li> <li>Subjects MUST be excluded from the study if any questions are 'No'.</li> </ul>
Question 5	Question #5 may be 'NA' if subject is under 10 years of age.
Comments for page?	Record any pertinent comments for this page only.

Comprehensive Sickle Cell Centers	Inclusion Criteria	
Protocol # 1	Date of Visit: Day Month Year	CSCC ID: Center code:
Arginine		Hospital code:

For the subject to be considered eligible for this study, Questions 1 through 7 must be answered Yes. Question 5 may be NA.

Has the subject signed the informed consent?	Yes 🗌	No 🗌
Date of informed consent: Day Month Year		
Does the subject have an established diagnosis of Hb SS or S-beta0 thalassemia?	Yes	No 🗌
Does the subject have a history of at least one documented vaso-occlusive pain event in the last 12 months?	Yes	No 🗌
Does the subject have a regular compliance with comprehensive care?	Yes 🗌	No 🗌
<ol> <li>Does the subject have a history of a retinal exam in the last year? (For subjects 10 years of age or more)</li> </ol>	Yes	No NA NA
6. Is the subject at least 5 years of age?	Yes	No 🗌
7. Is the subject in his/her steady state and not in the midst of any acute complication due to sickle cell disease at enrollment?	Yes 🗌	No 🗌

#### **Exclusion Criteria**

Item	Instructions	
Questions 1-4 Questions 7-11	All questions must be answered 'No'. Subjects MUST be excluded from the study if any are marked 'Yes'.	
Comments for page?	Record any pertinent comments for this page only.	

Version 1.3 16FEB2006

Comprehensive Sickle Cell Centers	Exclusion Criteria	
Protocol # 1  Arginine	Date of Visit: Day Month Year	CSCC ID: Center code:
7 ti giiiii 10		Hospital code:

For the subject to be considered eligible for this study, Questions 1 through 4 and 7 through 11 must be answered No.

1.	Does the subject have an inability to take or tolerate oral capsule medications?	Yes 🗌	No 🗌
2.	Does the subject have a hepatic dysfunction (SGPT $\geq$ 2X normal OR albumin $\leq 3.2$ )?	Yes	No 🗌
3.	Does the subject have a renal dysfunction (Creatinine $\geq$ 1.2 for children, $\geq$ 1.4 for adults)?	Yes	No 🗌
4.	Is the subject allergic to arginine?	Yes 🗌	No 🗌
5.	Has the subject had a history of priapism requiring treatment within the last year?	No longer exclu (28NOV2005 pro	sion criteria. otocol amendment)
6.	Has the subject had a history of retinopathy requiring treatment?	No longer exclu (28NOV2005 pro	sion criteria. otocol amendment)
7.	Is the subject pregnant?	Yes	No 🗌
8.	Has the subject had a transfusion within the last 90 days?	Yes 🗌	No 🗌
9.	Has the subject had $\geq$ 10 hospital admissions (overnight stay) for pain in the last 12 months, or is he/she currently using narcotics daily (adult who takes narcotics everyday, not meant for those who take narcotics for several days due to a crisis)?	Yes	No 🗌
10.	Has the subject had treatment with hydroxyurea within the last 90 days?	Yes 🗌	No 🗌
11.	Has the subject had treatment with any investigational drug within the last 90 days?	Yes 🗌	No 🗌

# **Demographics**

Item	Instructions
Weight	Record the subject's weight in kilograms.
Height	Record the subject's height in centimeters.
Date of Birth	Record the subject's date of birth in the dd/mmm/yyyy format (ex. 25SEP1970).
Gender	Check the appropriate gender.
Diagnosis	Check the appropriate diagnosis. Either SS <b>or</b> SB <sup>0.</sup>
Comments for page?	Record any pertinent comments for this page only.

Comprehensive Sickle Cell Centers	Demographics	
Protocol # 1	Date of Visit: Day Month Year	CSCC ID: Center code:
Arginine		Hospital code:
Weight:	(kg) Height:	(cm)
Date of Birth:	/ /	
Gender: Male	Female	
Diagnosis: (choose one) SS		

#### Baseline Health History

Item	Instructions
Have you been transfused in the last 2 weeks?	<ul> <li>If 'Yes', record dates in the dd/mmm/yy format (ex. 25SEP04) for all transfusions that occurred in the last 2 weeks. Also, be sure to record the number of units or the number of cc's for each transfusion.</li> </ul>
	<ul> <li>If more than one transfusion occurred, use the 'Add' button to record additional visits.</li> </ul>
Questions	<ul> <li>Answer either 'Yes' of 'No' to each question on the page. Not sure may be recorded for the question about being unusually tired.</li> <li>Each question refers to the past 2 weeks.</li> </ul>
Have you had any unusual headaches?	If 'Yes', choose the <u>one</u> choice that best describes the frequency of the headaches being experienced by the subject.
Have you taken any new medications?	If 'Yes', be sure to record each new medication on the Concomitant Medications form.
Comments for page?	Record any pertinent comments for this page only.

Comprehensive Sickle Cell Centers	Baseline H	ealth H	istory		
Protocol # 1	Date of Visit:	<i>,</i>	, cs	SCC ID:	
	Day	Month	Year	Center code:	
Arginine				Hospital code:	
All questions refe	r to the past 2 we	eks			
Have you been transfused	<u>-</u>	Yes _	No 🗌		
If yes, record date a	nd number of units or	cc's for each	transfusion.		
Date transfused: Day		Num	ober of units:  OR for pediatrics:		ADD
Have you had leg ulcers?		Yes 🗌	No 🗌		
Have you had blood in the	e urine?	Yes 🗌	No 🗌		
Have you had chronic pair shoulders?	n in the hips or	Yes 🗌	No 🗌		
Have you had chronic pail locations?	n in other	Yes 🗌	No 🗌		
Have you had any increas with painful erections?	se in problems	Yes 🗌	No 🗌		
Have you had a fever 101	° or higher?	Yes 🗌	No 🗌		
Have you had vision probl	lems?	Yes 🗌	No 🗌		
Have you had any probler including asthma?	ns with breathing,	Yes	No 🗌		
Have you been unusually than you usually are?	tired, or more tired	Yes 🗌	No No	t sure	
Have you had any unusua	al headaches?	Yes	No 🗌		
If yes, frequency of he	eadaches.				
Everyday	2-3 times/week	Once a we	eek More	e than once a week	
Have you taken any new i	medications?	Yes	No 🗌		
If yes, add each to the CMED form.					
Version 1.2 Comments	s for page?			02M	AR2005

# History of Hospital, Clinic, & ED Visits

Item	Instructions
ALL FIELDS	All information for this page is to be obtained from the subject's medical record.
List all Hospital Admissions	Record all Hospital Admissions that occurred during the last year.  Hospital Admission requires an overnight stay.
	<ul> <li>If more than one Hospital Admission occurred, use the 'Add' button to record additional admissions.</li> </ul>
Date of admission/discharge	<ul> <li>Record the date of hospital admission in the dd/mmm/yy format (ex. 25SEP04).</li> </ul>
	Record the date of hospital discharge in the dd/mmm/yy format (ex. 25SEP04).
Reason	Record the reason for hospital admission from the list provided. More than one reason may be checked for a given date.
	If 'Other, specify' is chosen, be sure to specify in the space provided.
List all ED or Day Hospital visits	Record all Emergency Department or "Day Hospital" visits that occurred during the last year.
	If more than one visit occurred, use the 'Add' button to record additional visits.
Date of visit and	Record the date of visit in the dd/mmm/yy format (ex. 25SEP04).
location of visit	For each date, check whether the visit was to an Emergency Department or Day Hospital.
Reason	Record the reason for the visit from the list provided. More than one reason may be checked for a given date.
	If 'Other, specify' is chosen, be sure to specify in the space provided.
List all Clinic visits	Record all clinic visits <i>for acute pain</i> that occurred during the last year.  If more than one clinic visit <i>for acute pain</i> occurred, use the 'Add' button to record additional visits.
Date of clinic visit	Record the date of all clinic visits in the dd/mmm/yy format (ex. 25SEP04). For multiple dates, click the 'Add' button to enter a new row of data.
Comments for page?	Record any pertinent comments for this page only.

Comprehensive Sickle Cell Centers	History of Hospital, Clinic, & ED Visits	
Protocol # 1  Arginine	Date of Visit: Day Month Year	CSCC ID: Center code:
7		Hospital code:

Information for these questions is to be obtained from the subject's medical records.

List all Hospital Admissions that happened during the last year.
Date of admission: Day Month Year Date of discharge: Day Month Year
Reason: ACS VOC Non-Sickle Pain Other, specify that apply)
ADD
List all Emergency Department visits or "Day Hospital" visits that happened during the last year.
Date of visit:    Day   Month   Vear   Location:   Emergency Department   Day Hospital
Reason: ACS VOC Non-Sickle Pain Other, specify (check all that apply)
List all Clinic visits for acute pain that happened during the last year.
Date of clinic visit://
Day Month Year  ADD

#### **Medication History**

Item	Instructions
Medication	Check 'Yes' if the medication was used by the subject in the past year.
	Check 'No' if the medication was <i>never</i> used by the subject <b>in the past year</b> .
	If 'Yes' and the medication is followed by 'If yes, specify' or 'If yes, type', be sure to specify in the space provided.
	Use the subject's medical record for all medication information.
Length of Time Used	Record the <i>approximate</i> number of months the medication was used by the subject in the past year.
	Record the <i>approximate</i> number of days the medication was used by the subject in the past year.
Comments for page?	Record any pertinent comments for this page only.

Comprehensive Sickle Cell Centers	Medication History	
Protocol # 1	Date of Visit: Day Month Year	CSCC ID: Center code:
Arginine		Hospital code:

Check all medications used by this subject in the **past year**. Information for these questions is to be obtained from the subject's medical records.

Medication		Length of T	ime Used	
If yes, record the total approximate length of time used		Months	Days	
Hydroxyurea	Yes 🗌	No 🗌		
Prophylactic Penicillin	Yes 🗌	No 🗌		
Any other antibiotic  If yes,specify:	Yes 🗌	No 🗌		
Folic Acid	Yes 🗌	No 🗌		
Narcotics If yes, type:	Yes	No 🗌		
NSAIDS	Yes 🗌	No 🗌		
Desferal	Yes	No 🗌		
Oxygen	Yes	No 🗌		
Any other pain medication If yes,specify:	Yes	No 🗌		
Specify 1:				
Specify 2:				
Psychiatric medications	Yes 🗌	No 🗌		
Other, or intravenous med  If yes, specify:	s Yes 🗌	No 🗌		

#### **Pain History**

Item	Instructions
Number of Times	<ul> <li>Check the best response, as reported by the subject, to the best of the subject's knowledge, in the past year.</li> </ul>
	<ul> <li>If any of the lead questions are yes, be sure to record the number of times in the space provided.</li> </ul>
	Do not record a range.
	<ul> <li>To avoid double-counting, if an event could be reported in more than one category, report this event in the most serious category. (For example, if a subject had a painful event that was treated at home, but then went to the emergency room, this event should be recorded in the 'Visited an emergency room, not admitted to hospital' category.) If a subject called a doctor but did not go to the office, emergency room or hospital, this event should be recorded in 'Was treated at home'.</li> </ul>
Information provided by	For each category, check the appropriate response on how the information for that category was obtained.
Usual Treatment	For each category, describe the usual treatment given to the subject in order to treat the painful episode <b>in the past year</b> .
Comments for page?	Record any pertinent comments for this page only.

Comprehensive Sickle Cell Centers	Pain History	
Protocol # 1	Date of Visit: Day Month Year	CSCC ID: Center code:
Arginine		Hospital code:

Record the number of painful episodes in the past year, <u>as reported by the subject to the best of their knowledge</u>, for which the subject:

	Information provided by	Usual Treatment
Was treated at home?  Yes No Declined  If yes, specify number of times	Patient Parent/Guardian Proxy	
Was treated in a clinic or doctor's office, not hospital?  Yes No Declined   If yes, specify number of times	Patient Parent/Guardian Proxy	
Visited an emergency room, not admitted to hospital?  Yes No Declined   If yes, specify number of times	Patient Parent/Guardian Proxy	
Was admitted to hospital?  Yes No Declined   If yes, specify number of times	Patient Parent/Guardian Proxy	

# **Chemistry Labs**

Item	Instructions
Collection date	Record the collection date in the dd/mmm/yy format (ex. 25SEP04).
Test/Value	Record a value for each test in the units provided on the form.
Normal Ranges / Lower Limit	Record the lower limit of the range that is considered normal for each test, as displayed on the lab report.
Normal Ranges / Upper Limit	Record the upper limit of the range that is considered normal for each test, as displayed on the lab report.
Comments for page?	Record any pertinent comments for this page only.

Comprehensive Sickle Cell Centers	Chemistry Labs	
Protocol # 1	Date of Visit:	CSCC ID:
Arginine	Day Month Year	Center code:
Argillile		Hospital code:
Collection date:	Month Year	

TEST	VALUE		RANGES upper limit for each lab value)
		LOWER LIMIT	UPPER LIMIT
Sodium (mEq/L)			
Potassium (mEq/L)			
Chloride (mEq/L)			
CO <sub>2</sub> (mEq/L)			
Calcium (mg/dL)			
Creatinine (mg/dL)			
Glucose (mg/dL)			
BUN (mg/dL)			
ALT (IU/L)			
Alk phosphatase (IU/L)			
Total bilirubin (mg/dL)			
Total protein (gm/dL)			
Albumin (g/dL)			
LDH (u/L)			

# **Hematology Labs**

Item	Instructions
Collection date	Record the collection date in the dd/mmm/yy format (ex. 25SEP04).
Test/Value	<ul> <li>Record a value for each test in the units provided on the form.</li> <li>Record information for Absolute Retic Count <i>or</i> % Retic.</li> </ul>
Normal Ranges / Lower Limit	Record the lower limit of the range that is considered normal for each test, as displayed on the lab report.
Normal Ranges / Upper Limit	Record the upper limit of the range that is considered normal for each test, as displayed on the lab report.
Comments for page?	Record any pertinent comments for this page only.

Comprehensive Sickle Cell Centers	Hematology Labs	
Protocol # 1	Date of Visit:	CSCC ID:
Arginine	Day Month Year	Center code:
, go		Hospital code:

Collection date:			/ 🔲
	Day	Month	Year

TEST	VALUE	NORMAL RANGES (Please record the lower & upper limit for each lab val	
		LOWER LIMIT	UPPER LIMIT
Hemoglobin (mg/dL)	□.□		
Hematocrit (%)			
RBC (X10 <sup>3</sup> /mm <sup>3</sup> )			
WBC (X10 <sup>3</sup> /mm <sup>3</sup> )			
MCV (fl)			
MCHC (gm/dL)			
Platelet count (X10 <sup>3</sup> /mm <sup>3</sup> )			
Absolute Retic Count			
OR % Retic			

#### **Met Hb**

Item	Instructions
Collection date	Record the collection date in the dd/mmm/yy format (ex. 25SEP04).
Test/Value	Record a value in the units provided on the form.
Normal Ranges / Lower Limit	Record the lower limit of the range that is considered normal for the test, as displayed on the lab report.
Normal Ranges / Upper Limit	Record the upper limit of the range that is considered normal for the test, as displayed on the lab report.
Comments for page?	Record any pertinent comments for this page only.

Comprehensive Sickle Cell Centers	Met Hb	
Protocol # 1	Date of Visit: /	CSCC ID:
Arginine	Day Month Year	Center code:
Argiiiiie		Hospital code:
Collection date:	ay Month Year	

TEST	VALUE	NORMAL RANGES (Please record the lower & upper limit)	
		LOWER LIMIT	UPPER LIMIT
Met Hb (%)			

# **Urinalysis**

Item	Instructions
Specify gravity, pH, Microscopic RBC,	Record the result for each test in the units provided on the form. If units are not provided, use the standard unit for that test.
and WBC	For Microscopic RBC and WBC check only one response. For lab results that are in the 20-30 range, check the 25-50 box.
Protein	Select the one choice as reported by your lab.
Comments for page?	Record any pertinent comments for this page only.

Comprehensive Sickle Cell Centers	Urinalysis	
Protocol # 1	Date of Visit: / / /	CSCC ID:
Arginine	Day Month Year	Center code:
		Hospital code:
Specific gravity:		
Protein (Select the one	e choice, as reported by your lab):	
☐ Negative [	☐ Trace ☐ 100 ☐ 200 ☐ 300 ☐	1+ 2+ 3+
Microscopic RBC (#/m	nm³):	-50
WBC (#/mm <sup>3</sup> ):	-5	50+

# **Pregnancy Test**

Item	Instructions	
Pregnancy Test	Check <b>one</b> of the following three choices:      'Not done, subject male'     'Not done, female subject not of menstruating age'     'Not done, female subject not of child-bearing potential'	
	<ul> <li>If 'Not done, female subject not of child-bearing potential', check <i>all</i> reasons that apply.</li> <li>If 'Other, specify' is chosen, be sure to specify.</li> </ul>	
	If pregnancy test is not done, omit the rest of this page.	
Date of Collection	Record the date of collection in the dd/mmm/yy format (ex. 25SEP04).	
Result	Check the result of the pregnancy test, either 'Positive' or 'Negative'.	
Comments for page?	Record any pertinent comments for this page only.	

Comprehensive Sickle Cell Centers	Pregnand	cy Test	
Protocol # 1	Date of Visit: /	/	CSCC ID:
Arginine	Day	Month Year	Center code:
			Hospital code:
Not done, subject mal	е	Date of Collection:	
Not done, female subj	ect not of menstruating		Day Month Year
Not done, female subj potential (check reason	ect not of child-bearing below)		
Postmenopausal		Result: Posi	tive Negative
Hysterectomy			
Tubal ligation			
Other, specify:			

The following pages will be used at Visit Week -2, and later, as indicated in the protocol.

# **Chemistry Labs**

Item	Instructions
Collection date	Record the collection date in the dd/mmm/yy format (ex. 25SEP04).
Test/Value	Record a value for each test in the units provided on the form.
Comments for page?	Record any pertinent comments for this page only.

Comprehensive Sickle Cell Centers	Chemistry Labs	
Protocol # 1  Arginine	Date of Visit: Day Month Year	CSCC ID: Center code:
Aigiillie		Hospital code:

Collection date:		/			/		
	Day		Mont	h	-	Ye	ar

TEST	VALUE
Sodium (mEq/L)	
Potassium (mEq/L)	
Chloride (mEq/L)	
CO <sub>2</sub> (mEq/L)	
Calcium (mg/dL)	
Creatinine (mg/dL)	
Glucose (mg/dL)	
BUN (mg/dL)	
ALT (IU/L)	
Alk phosphatase (IU/L)	
Total bilirubin (mg/dL)	
Total protein (gm/dL)	
Albumin (g/dL)	
LDH (u/L)	

# **Hematology Labs**

Item	Instructions
Collection date	Record the collection date in the dd/mmm/yy format (ex. 25SEP04).
Test/Value	<ul> <li>Record a value for each test in the units provided on the form.</li> <li>Record information for Absolute Retic Count <i>or</i> % Retic.</li> </ul>
Comments for page?	Record any pertinent comments for this page only.

Comprehensive Sickle Cell Centers	Hematology Labs	
Protocol # 1  Arginine	Date of Visit: Day Month Year	CSCC ID: Center code:
Argillille		Hospital code:

Collection date:	$\square$ /[		/ 🔲
	Day	Month	Year

TEST	VALUE
Hemoglobin (mg/dL)	
Hematocrit (%)	
RBC (X10 <sup>3</sup> /mm <sup>3</sup> )	
WBC (X10 <sup>3</sup> /mm <sup>3</sup> )	
MCV (fl)	
MCHC (gm/dL)	
Platelet count (X10 <sup>3</sup> /mm <sup>3</sup> )	
Absolute Retic Count	
OR % Retic	

#### **Met Hb**

Item	Instructions
Collection date	Record the collection date in the dd/mmm/yy format (ex. 25SEP04).
Test/Value	Record a value in the units provided on the form.
Comments for page?	Record any pertinent comments for this page only.

Comprehensive Sickle Cell Centers	Met Hb	
Protocol # 1	Date of Visit: Day Month Year	CSCC ID: Center code:
Arginine		Hospital code:

Collection date:			/
	Day	Month	Year

TEST	VALUE
Met Hb (%)	

#### **Echocardiogram**

Item	Instructions
Date of most recent echocardiogram	Record the date of the <b>most recent</b> echocardiogram in the dd/mmm/yy format (ex. 25SEP04).
TR Jet Ejection Fraction Shortening Fraction LVH RVH	<ul> <li>Check 'Yes' or 'No' where applicable.</li> <li>Record a value for each in the units provided on the form.</li> <li>The TR Jet is a velocity. If TR Jet is undetectable, be sure to check that box.</li> <li>The Ejection Fraction should be measured by the Simpsons method.</li> <li>For Ejection Fraction and Shortening Fraction, not reported may be checked.</li> </ul>
Right Ventricular to Right Atrial Difference	<ul> <li>If two values are received, subtract them. The subtracted value should then be entered into this field.</li> <li>Not reported may be marked.</li> </ul>
Has ECHO ever been abnormal?	<ul> <li>If the values recorded in the first section are considered to be normal, answer the questions 'has ECHO ever been abnormal?", Yes or No.</li> <li>If 'Yes', answer the remaining questions on the page.</li> <li>If 'No', skip the rest of the page.</li> </ul>
Comments for page?	Record any pertinent comments for this page only.

Comprehensive Sickle Cell Centers	chocardiogram	
Protocol # 1 Date of	Visit: / / /	CSCC ID:
Arginine	Day Month Year	Center code:
, <b>go</b>		Hospital code:

Date of most recent echocardiogram: Day Month Year
TR Jet: TR Jet Undetectable
Ejection Fraction: (%) Not reported
Shortening Fraction: (%) Not reported
Right Ventricular to Right Atrial Difference: mm Hg Not reported
LVH: Yes No No
RVH: Yes No No
If above is normal, has ECHO <b>ever</b> been abnormal? Yes No
If <b>Yes</b> , date of most recent <b>abnormal</b> ECHO:  Day  Month  Year
TR Jet: TR Jet Undetectable
Ejection Fraction: (%) Not reported
Shortening Fraction: (%) Not reported
Right Ventricular to Right Atrial Difference: mm Hg  Mot reported
LVH: Yes No No
RVH: Yes No

#### Interim Health History

Item	Instructions
Have you had any hospitalizations since your last visit?	<ul> <li>Check 'Yes' if the subject had any hospitalizations since the last study visit. Otherwise, check 'No'.</li> </ul>
	<ul> <li>If 'Yes', record the date of admission, date of discharge, and reason for admission. If more than one hospitalization occurred since the last study visit, use the 'Add' button to record additional visits.</li> </ul>
	If 'No', go to the next section on the page.
Date of admission/discharge	Record the date of hospital admission in the dd/mmm/yy format (ex. 25SEP04).
	<ul> <li>Record the date of hospital discharge in the dd/mmm/yy format (ex. 25SEP04).</li> </ul>
Reason	<ul> <li>Record the reason for hospital admission from the list provided. More than one reason may be checked for a given date.</li> </ul>
	If 'Other, specify' is chosen, be sure to specify in the space provided.
Have you been to the ED or Day Hospital since your last visit?	Check 'Yes' if the subject had any visits since the last study visit.  Otherwise, check 'No'.
	<ul> <li>If 'Yes', record the date of visit, reason, and location of visit. If more than one visit occurred since the last study visit, use the 'Add' button to record additional visits.</li> </ul>
	If 'No', go to the next section on the page.
Date of visit and location of visit	Record the date of visit in the dd/mmm/yy format (ex. 25SEP04).
	For each date, check whether the visit was to an Emergency Department or Day Hospital.
Reason	Record the reason for the visit from the list provided. More than one reason may be checked for a given date.
	If 'Other, specify' is chosen, be sure to specify in the space provided.
Have you had any clinic visits for acute pain since the last study visit?	If 'Yes', record dates in the dd/mmm/yy format (ex. 25SEP04) for all clinic visits for acute pain that occurred since the last study visit.
	If more than one clinic visit <i>for acute pain</i> occurred, use the 'Add' button to record additional visits.
Have you been transfused?	<ul> <li>If 'Yes', record dates in the dd/mmm/yy format (ex. 25SEP04) for all transfusions that occurred since the last study visit. Also, be sure to record the number of units or the number of cc's for each transfusion.</li> </ul>
	If more than one transfusion occurred, use the 'Add' button to record additional visits.
Comments for page?	Record any pertinent comments for this page only.

Comprehensive Sickle Cell Centers	Interim Health History				
Protocol # 1	Date of Visit: / /	CSCC ID:			
Arginine	Day Month Year	Center code:			
J		Hospital code:			
All questions relate to changes since the last study visit					
Have you had any hospita	alizations since your last study visit? Yes	No 🗍			

Have you had any hospitalizations since your last study visit? Yes No No
If yes, Date admitted:
Reason: ACS VOC Non-Sickle Pain Other, specify
Have you been to the Emergency Department or "Day Hospital" since your Yes No last study visit?
If yes, record date, reason and check the location (emergency department or day hospital).
Date of visit: Location: Emergency Department  Day Month Year Day Hospital
Reason: ACS VOC Non-Sickle Pain Other, specify
Have you had any clinic visits <i>for acute pain</i> since the last study visit? Yes No
If yes, record date of clinic visit:
ADD
Have you been transfused? Yes No No
If yes, record date and number of units or cc's for each transfusion.
Date transfused:
cc's for pediatrics:

### Interim Health History

Item	Instructions
Questions	<ul> <li>Answer either 'Yes' of 'No' to each question on the page. Not sure may be recorded for the question about being unusually tired.</li> <li>Each question relates to changes since the last study visit.</li> </ul>
Have you had any unusual headaches?	If 'Yes', choose the <u>one</u> choice that best describes the frequency of the headaches being experienced by the subject.
Have you taken any new medications?	If 'Yes', be sure to record each new medication on the Concomitant Medications form.
Have you had any Adverse Events?	If 'Yes', be sure to record each adverse event on the Adverse Events form.
Comments for page?	Record any pertinent comments for this page only.

Comprehensive Sickle Cell Centers	Interim H	lealth H	istory		
Protocol # 1				CSCC ID:	
Arginine				Center code:	
				Hospital code:	
All questions rela	te to changes s	since the las	t study vis	sit	
Have you had leg ulcers?		Yes	No 🗌		
Have you had blood in the	e urine?	Yes	No 🗌		
Have you had any increas with painful erections?	se in problems	Yes 🗌	No 🗌		
Have you had a fever 101	° or higher?	Yes 🗌	No 🗌		
Have you had vision prob	lems?	Yes 🗌	No 🗌		
Have you had any probler including asthma?	ns with breathing,	Yes 🗌	No 🗌		
Have you been unusually tired than you usually are		Yes 🗌	No 🗌 No	ot sure	
Have you had any unusua	al headaches?	Yes	No 🗌		
<b>If yes</b> , frequency of h	eadaches.  2-3 times/week	Once a we	eek	ore than once a week	
Have you taken any new If yes, add each to th		Yes 🗌	No 🗌		
Have you had any Advers		Yes 🗌	No 🗌		

Version 1.2

Comments for page? \_\_\_\_\_

# Discontinuation Checklist

Item	Instructions
Has the subject experienced any of the following events?	<ul> <li>Check all events that the subject experienced since the last study visit.</li> <li>If 'Other' is chosen, be sure to specify.</li> <li>*If you believe a subject should be discontinued, please contact Lori Styles @ Children's Hospital Oakland.</li> </ul>
Comments for page?	Record any pertinent comments for this page only.

Comprehensive Sickle Cell Centers	Discontinuation Checklist	
Protocol # 1	Date of Visit: Day Month Year	CSCC ID: Center code:
Arginine		
		Hospital code:
Since the last visit, has the	ne subject experienced any of the following even	nts:
Drop in hem	oglobin below 5 gm/dL	
Pulmonary fa	ailure requiring intubation	
Hepatic dysf	function (SGPT $\geq$ 3X normal OR albumin $\leq$ 3.0)	
Renal dysfu	nction (Creatinine $\geq$ 1.4 for children, $\geq$ 1.6 for adults)	
Focal neurol	logical changes	
☐ Increase in r	methemoglobin level to > 2X normal level	
Apparent all	ergic reaction to arginine	
Episode of p	oriapism requiring treatment	
Severe head	dache	
Pregnancy		
Episode of r	etinopathy requiring treatment	
Other S	pecify:	
* Please contact Lori Sty discontinued.	rles @ Children's Hospital Oakland if you be	lieve this subject should be

### **Study Drug Record**

Item	Instructions	
Randomization Number	Record the correct randomization number for the subject. The pharmacist will give the randomization number.	
Date	Each time pills are dispensed or returned, record the date in the dd/mmm/yy format (ex. 25SEP04).	
# of Pills Returned / # of Pills Dispensed	<ul> <li>On the first day drug is dispensed the date should be recorded. For # returned, 0 should be entered. For number dispensed the number that was dispensed to the subject should be recorded.</li> </ul>	
	<ul> <li>For Visit 6 and Visit 7, along with the date, record the number returned and the number dispensed to the subject.</li> </ul>	
	<ul> <li>For Visit 8, along with the date, record the number returned and record 0 for the number dispensed.</li> </ul>	
	<ul> <li>Visit 3, 6, and 7 should all have the same number for "Number dispensed" since the subject will be receiving a fresh stock.</li> </ul>	
Add	Use the 'Add' button to record additional dispense or return dates.	
Comment	Record any pertinent comments regarding each date if necessary.	

Version 1.2

Comprehensive Sickle Cell Centers	Study Drug Record	
Protocol #1		CSCC ID:
Protocol # 1  Arginine  Randomization Number:	Center code:	
		Hospital code:

Each time that pills are dispensed or returned, record the date. The number of pills remaining is the number of pills left in the bottle(s) that the subject brought with him/her that day. The number of pills dispensed is the total of new pills plus the pills the subject returned.

Date DD / MON / YY	# of Pills Returned	Comment
Day Month Year		

ADD

Version 1.2 02MAR2005

## **Concomitant Medications**

Item	Instructions
Medication	<ul> <li>Record the <i>generic</i> name for each concurrent medication separately in the space provided. For multiple medications, click the 'Add' button to enter a new row of data.</li> </ul>
	Hydroxyurea and Arginine require a 90 day washout period prior to study drug dosing.
Indication	Record the indication for each medication.
Start date	Record start date in dd/mmm/yy format (25SEP04). Record the closest approximation for any portion of a date that is unknown.
Stop date	Record stop date in dd/mmm/yy format (25SEP04). Record the closest approximation for any portion of a date that is unknown. Leave stop date blank if medication is ongoing.
Ongoing	Check ongoing if the subject is currently taking the medication. Leave stop date blank.
Comments for page?	Record any pertinent comments for this page only.

Comprehensive Sickle Cell Centers	<b>Concomitant Medications</b>	
cscc		CSCC ID: Center code:
Concomitant Medications Form		Hospital code:

Record all medications from baseline to termination of study. Include start dates prior to the study only if the medication continues to be taken at baseline visit.

Medication	Indication	Start Date		Si	Stop Date		Ongoing	
		DD MON	YY	DD	MON	YY	<del> </del>	

#### **Adverse Events**

Item	Instructions						
Serious Adverse Event	Check 'Yes' or 'No' to indicate if the adverse event was considered a serious adverse event. If yes, be sure to submit a SAE report.						
Adverse Event	Record each adverse event separately in the space provided. For multiple events click the 'Add' button to enter a new row of data.						
Onset date	Record the date the adverse event began using the dd/mmm/yy format (ex. 25SEP04). Month and year are required date parts. If day is unknown, please estimate.						
Stop date	<ul> <li>Record the date the adverse event stopped using the dd/mmm/yy format (ex. 25SEP04). Month and year are required date parts. If day is unknown, please estimate.</li> <li>If the adverse event is ongoing at the end of the study, leave the stop date blank. If the subject dies while an adverse event is ongoing, the</li> </ul>						
	stop date should be the date of death.						
Outcome	<ul> <li>If adverse event is ongoing at end of study and subject is alive, outcome should be 3 (ongoing).</li> </ul>						
	<ul> <li>If adverse event is present at time of death, but did not contribute to subject's death, outcome should be 4.</li> </ul>						
	<ul> <li>If adverse event is present at time of death, and did contribute to subject's death, outcome should be 5.</li> </ul>						
Severity	Choose 1-5.						
Relationship to study drug	Choose (1-5). Refer to section 11.2.2 of the protocol for additional information about relationship to study drug.						
Action(s) Taken	Check the action taken for each adverse event recorded. More than one box may be checked.						
Comments for page?	Record any pertinent comments for this page only.						

	mprehensive le Cell Centers	Adver	se Events					
	cscc				cscc	ID:	Cer	nter code:
E	Adverse vents Form						Hosp	ital code:
Serious	Adverse Event	Onset Dat	Stop Date	Outco	ome	Severity	Relationship to	Action(s) Taken

Serious Adverse Event?	Adverse Event	On	nset C	Date	S	top D	<b>Date</b>	Outcome 1=Resolved without sequelae 2=Resolved with sequelae 3=Ongoing 4=Present at death, not contributing to death 5=Death due to AE	1=Mild 2=Moderate 3=Severe 4=Life threatening 5=Death	Relationship to Study Drug  1=Unrelated 2= Probably not/ remote 3=Possibly related 4=Probably related 5=Definitely related	No action	Study drug interrupted	Study drug discontinued s	sted		Hospitalization
		DD	MON	YY	DD	MON	YY				ž	T T	Ĭ ∏	TŽ	Ĕ	픠
Yes Y													Ш			
No N																
Yes Y													Ш			
No N																
Yes Y																
No N																
Yes Y																
No N																
Yes Y																
No N																

## **Study Termination**

Item	Instructions
Was the study blind broken for this subject?	<ul> <li>If 'Yes' is checked, record the date the blind was broken in the dd/mmm/yy format (ex. 25SEP04). Also, record the reason for the unblinding in the space provided.</li> </ul>
	If 'No' is checked, proceed to the next question.
Did the subject complete the study?	If 'Yes', skip the rest of the page.
	<ul> <li>If 'No', record the date of last dose of study drug AND check one primary reason for study discontinuation.</li> </ul>
	<ul> <li>If 'Adverse Event' is chosen, be sure to also check all adverse events that contributed to study discontinuation.</li> </ul>
	If 'Other' is chosen, be sure to specify.
Comments for page?	Record any pertinent comments for this page only.

Comprehensive Sickle Cell Centers	Study Termination					
Protocol # 1  Arginine	Date of Visit: Day Month Year	CSCC ID: Center code:				
<b>3</b>		Hospital code:				
Was the study blind bro	ken for this subject? Yes No No					
If yes, date blind	broken: Day / Month / Year					
Reason for unblinding:						
Did the subject complet						
Check <b>one</b> primary re	Day Month Year eason for study discontinuation:					
	t (check all that apply) hemoglobin below 5 gm/dL					
	ary failure requiring intubation					
	dysfunction (SGPT ≥ 3X normal OR albumin ≤ 3.0	)				
Renal d	ysfunction (Creatinine $\geq 1.4$ for children, $\geq 1.6$ for ad	ults)				
Focal ne	eurological changes					
Increase	e in methemoglobin level to > 2X normal level					
Apparer	nt allergic reaction to arginine					
Episode	of priapism requiring treatment					
Severe	Severe headache					
Other	Other Specify:					
Pregnancy						
Non-complian	ce					
Withdrew cons	sent					
Lost-to-follow-	ир					
Death						
Other Specif	y:					

Version 1.2

Comments for page? \_\_\_\_\_