## Annotated Form for CRF 00 [ Enrollment ] Form ID: 27 DB Table Name: F00 DB View Name: vF00

No.	Item Description	Data Value	
1	Date of initial hospital admission DB Name: [ Q01 ] SAS Name: [ DateAdm ]	(dd-mmm-yyyy) Complete	
2	Time of initial hospital admission DB Name: [ Q02 ] SAS Name: [ TimeAdm ]	Complete Time (24hr)	
3	Hospital transfer? DB Name: [ Q03 ] SAS Name: [ HospTrans ]	○ 0 - No ○ 1 - Yes	
4	If Yes, date of transfer DB Name: [ Q04 ] SAS Name: [ TransDate ]	(dd-mmm-yyyy) Complete	
5	Date of Birth DB Name: [ Q05 ] SAS Name: [ DOB ]	(dd-mmm-yyyy) Complete	
6	Gender DB Name: [ Q06 ] SAS Name: [ Sex ]	1 - Male 2 - Female	
7	Ethnicity DB Name: [ Q07 ] SAS Name: [ Ethnicity ]	1 - Hispanic or Latino 2 - Not Hispanic or Latino	
8	Race (Check all that apply)	Q08M1 - Black/African American Q08M2 - Asian Q08M3 - American Indian/Alaskan Native Q08M4 - White Q08M5 - Native Hawaiian/Other Pacific Islander Q08M98 - Other	
9	If other, specify DB Name: [ Q09 ]		(50 char.)
10	Employment status before subject enrollment DB Name: [ Q10 ]	1 - Employed-full time 2 - Employed-part time 3 - Medical disability 4 - Student 5 - Homemaker 6 - Self-employed 7 - Retired 8 - Other capacity 9 - Unemployed 99 - Unknown	
11	Years of education completed since starting 1st grade (Do not count repeated grades) DB Name: [ Q11 ] SAS Name: [ YrsEd ]	years	
12	Marital status DB Name: [ Q12 ]	1 - Never married 2 - Married 3 - Divorced 4 - Separated	

		<ul><li>5 - Widowed</li><li>6 - Significant Other</li><li>99 - Unknown</li></ul>
14	Which version of the ALFSG protocol was approved by your IRB at the time of subject enrollment?  Please double check. The following study visits/CRFs will be posted based on the selected protocol version.  DB Name: [Q14]	○ 1 - Prior to version 7 ○ 2 - Version 7 or higher
13	Subject is participating in the ALFSG-MBT study DB Name: [ Q13 ]	○ 0 - No ○ 1 - Yes
25	Version of the ALFSG- MBT protocol approved by your IRB at the time of subject enrollment DB Name: [ Q25 ]	2 - ALFSG-MBT version 2 3 - ALFSG-MBT version 3 or higher
23	Primary reason subject is not participating in the ALFSG-MBT study If Q25 is 'ALFSG-MBT version 2' DB Name: [ Q23 ]	1 - Not between 18 and 70 years of age 2 - Pre-existing chronic renal failure 3 - Contraindicated drug consumption 4 - Chronic hemodialysis 5 - Severe shock 6 - Upper Gl bleeding 7 - ALF etiology exclusion 8 - Acetaminophen allergy 9 - Caffeine consumption 24 hours prior to enrollment 10 - Inability to obtain informed consent 11 - Consent declined 98 - Other
24	Details of inability to obtain informed consent, consent declined, or other for ALFSG-MBT version 2 DB Name: [ Q24 ]	(200 char.)
26	Primary reason subject is not participating in the ALFSG-MBT study If Q25 is 'ALFSG-MBT version 3 or higher' DB Name: [ Q26 ]	1 - Not between 18 and 80 years of age 2 - Pre-existing chronic renal failure 3 - Contraindicated drug consumption 4 - Chronic hemodialysis 5 - Severe shock 6 - Upper GI bleeding requiring endoscopy or RBC transfusion 7 - ALF etiology exclusion 8 - ALI due to APAP overdose 9 - Acetaminophen allergy 10 - Caffeine consumption 24 hours prior to enrollment 11 - Inability to obtain informed consent 12 - Consent declined 98 - Other
27	Details of inability to obtain informed consent, consent declined, or other for ALFSG-MBT version 3 or higher DB Name: [ Q27 ]	(200 char.)

15	Subject is participating in the ALFSG-ROTEM study DB Name: [ Q15 ]	○ 0 - No ○ 1 - Yes
20	Which version of the ALFSG-ROTEM protocol was approved by your IRB at the time of subject enrollment?  DB Name: [ Q20 ]	○ 1 - ALFSG-ROTEM version 1 ○ 2 - ALFSG-ROTEM version 2 or higher
16	Primary reason subject is not participating in the ALFSG-ROTEM study If Q20 is 'ALFSG- ROTEM version 1' DB Name: [ Q16 ]	1 - Site is not currently enrolling in ALF-ROTEM 2 - Subject was not enrolled in ALFSG with hepatic encephalopathy (ALF) 3 - Subject received plasma, platelet, or cryoprecipitate transfusions during the current admission for ALFSG, including at referring hospitals 4 - Inability to obtain informed consent 5 - Consent declined 6 - Other
17	Specify details for declined consent or other for ALFSG- ROTEM version 1 DB Name: [ Q17 ]	(200 char.)
21	Primary reason subject is not participating in the ALFSG-ROTEM study If Q20 is 'ALFSG-ROTEM version 2 or higher'  DB Name: [ Q21 ]	1 - Site is not currently enrolling in ALFSG-ROTEM 2 - Inability to obtain informed consent 3 - Consent declined 4 - Other
22	Details of inability to obtain informed consent, consent declined, or other for ALFSG-ROTEM version 2 or higher DB Name: [ Q22 ]	(200 char.)
f	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	char.) (250

## Annotated Form for CRF 01 [ ALI Admission ] Form ID: 28 DB Table Name: F01 DB View Name: vF01

No.	Item Description	Data Value
ALI	Study Eligibility Criteria	
1	Acetaminophen: Jaundice/Illness < 2 wks DB Name: [ Q01 ] SAS Name: [ Lt2WksJaundic ]	○ 0 - No ○ 1 - Yes
2	Or, all other: Jaundice/Illness < 26 wks DB Name: [ Q02 ] SAS Name: [ GtE2WksLt26WksJaundice ]	○ 0 - No ○ 1 - Yes
3	Previous sedatives DB Name: [ Q03 ] SAS Name: [ PrevSed ]	○ 0 - No ○ 1 - Yes
4	Altered mental status DB Name: [ Q04 ] SAS Name: [ AltMentStat ]	○ 0 - No ○ 1 - Yes
5	Previous FFP DB Name: [ Q05 ] SAS Name: [ FFP ]	○ 0 - No ○ 1 - Yes
6	INR ≥ 2.0 DB Name: [ Q06 ] SAS Name: [ INRGtE2p0 ]	○ 0 - No ○ 1 - Yes
7	ALT of ≥ 10X ULN DB Name: [ Q07 ] SAS Name: [ ALTLtE10XULN ]	○ 0 - No ○ 1 - Yes
8	Tbili ≥ 3.0 mg/dL DB Name: [ Q08 ] SAS Name: [ TBiliGTE3p0 ]	○ 0 - No ○ 1 - Yes
9	Has patient met eligibility criteria? DB Name: [ Q09 ]	○ 0 - No ○ 1 - Yes ○ 2 - Protocol exemption granted
10	If protocol exemption, explain. DB Name: [ Q10 ]	(100 char.)
Adr	mission	
11	Date of consent/admission to study DB Name: [ Q11 ] SAS Name: [ DateAdmStdy]	(dd-mmm-yyyy) Complete
12	Time of consent/admission to study DB Name: [ Q12 ] SAS Name: [ TimeAdmStudy ]	Complete Time (24hr)
Phy	sical Exam	
13	Peripheral edema DB Name: [ Q13 ] SAS Name: [ Per_Edema ]	○ 0 - No ○ 1 - Yes
14	Hepatomegaly DB Name: [ Q14 ]	○ 0 - No ○ 1 - Yes
15	Hyper-reflexia/clonus DB Name: [ Q15 ] SAS Name: [ HyperRef ]	○ 0 - No ○ 1 - Yes
l	j l	$\epsilon$

16	Pupillary Dilatation DB Name: [ Q16 ] SAS Name: [ PupDil ]	0 - No	1 - Yes	
С	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	char.)		(250

# Annotated Form for CRF 02 [ ALF Admission ] Form ID: 81 DB Table Name: F02 DB View Name: vF02

No.	Item Description	Data Value			
ALF	Study Eligibility Criteria				
1	Jaundice/Illness < 8 wks DB Name: [ Q01 ]	0 - No 1 - Yes			
2	Or, Jaundice/Illness ≥ 8 wks and < 26 wks DB Name: [ Q02 ]	0 - No 1 - Yes			
3	Previous sedatives DB Name: [ Q03 ]	0 - No 1 - Yes			
4	Altered mental status DB Name: [ Q04 ]	0 - No 1 - Yes			
5	Previous FFP DB Name: [ Q05 ]	0 - No 1 - Yes			
6	INR ≥ 1.5 DB Name: [ Q06 ]	0 - No 1 - Yes			
7	Has patient met eligibility criteria? DB Name: [ Q07 ]	0 - No 1 - Yes 2 - Protocol exemption granted			
8	If protocol exemption, explain. DB Name: [ Q08 ]	(100 char.)			
9	History given by (relation to patient) DB Name: [ Q09 ]	(30 char.)			
Dat	e of onset of hepatic coma	grade <u>prior to admission:</u>			
10	Coma grade date I: DB Name: [ Q10 ]	(dd-mmm-yyyy) Complete			
11	Coma grade date II: DB Name: [ Q11 ]	(dd-mmm-yyyy) Complete			
12	Coma grade date III: DB Name: [ Q12 ]	(dd-mmm-yyyy) Complete			
13	Coma grade date IV: DB Name: [ Q13 ]	(dd-mmm-yyyy) Complete			
Adn	nission				
14	Date of consent/admission to study DB Name: [ Q14 ]	(dd-mmm-yyyy) Complete			
15	Time of consent/admission to study DB Name: [ Q15 ] SAS Name: [ TimeAdmStudy ]	Complete Time (24hr)			
Phy	Physical Exam				
16	Peripheral edema DB Name: [ Q16 ] SAS Name: [ Per_Edema ]	0 - No 1 - Yes			
17	Hepatomegaly DB Name: [ Q17 ]	0 - No 1 - Yes			
18	Hyper-reflexia/clonus DB Name: [ Q18 ] SAS Name: [ HyperRef ]	0 - No 1 - Yes			

19	Pupillary Dilatation DB Name: [ Q19 ] SAS Name: [ PupDil ]	0 - No 1 - Yes	
С	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	char.)	(250

### Annotated Form for CRF 03 [ Medical History ] Form ID: 82 DB Table Name: F03 DB View Name: vF03

•	Data Value		
Data Collected? DB Name: [ zDataCollected]	○ 0 - No ○ 1 - Yes		
History of present illness: DB Name: [ Q01 ]	(2000)		
	char.) (8000		
1	existed prior to enrollment for the subject's current illness.		
Date of onset of first symptom DB Name: [ Q02 ]	(dd-mmm-yyyy) Complete		
Nausea/Vomiting DB Name: [ Q03 ]	○ 0 - No ○ 1 - Yes ○ 99 - Unknown		
Abdominal pain DB Name: [ Q04 ]	○ 0 - No ○ 1 - Yes ○ 99 - Unknown		
Rash DB Name: [ Q05 ]	○ 0 - No ○ 1 - Yes ○ 99 - Unknown		
Headache DB Name: [ Q06 ]	○ 0 - No ○ 1 - Yes ○ 99 - Unknown		
Malaise DB Name: [ Q07 ]	○ 0 - No ○ 1 - Yes ○ 99 - Unknown		
Fever DB Name: [ Q08 ]	○ 0 - No ○ 1 - Yes ○ 99 - Unknown		
Joint pains DB Name: [ Q09 ]	○ 0 - No ○ 1 - Yes ○ 99 - Unknown		
Jaundice DB Name: [ Q10 ]	○ 0 - No ○ 1 - Yes ○ 99 - Unknown		
If Jaundice, date of onset DB Name: [ Q11 ]	(dd-mmm-yyyy) Day/Month Optional		
Specify other symptoms DB Name: [ Q12 ]	(150 char.)		
Previous health and illnesses (check all that apply and specify diagnosis where applicable and known)	Q13M0 - None Q13M1 - Collagen/vasc diseases Q13M2 - Chronic liver disease Q13M3 - Endocrine/diabetes Q13M4 - Psychiatric disease Q13M5 - Neuro/seizure Q13M6 - Hypertension Q13M7 - Heart disease Q13M8 - Renal disease Q13M9 - Pulmonary disease Q13M10 - Substance abuse Q13M11 - GI disease Q13M12 - HIV/AIDs		
	DB Name: [ zDataCollected ]  History of present illness: DB Name: [ Q01 ]  c symptoms record symptoms that  Date of onset of first symptom DB Name: [ Q02 ]  Nausea/Vomiting DB Name: [ Q03 ]  Abdominal pain DB Name: [ Q04 ]  Rash DB Name: [ Q05 ]  Headache DB Name: [ Q06 ]  Malaise DB Name: [ Q07 ]  Fever DB Name: [ Q07 ]  Joint pains DB Name: [ Q09 ]  Jaundice DB Name: [ Q10 ]  If Jaundice, date of onset DB Name: [ Q11 ]  Specify other symptoms DB Name: [ Q12 ]  Previous health and illnesses (check all that apply and specify diagnosis where applicable and		

		Q13M13 - Q13M98 -	IDU at any time Other	e in past			
13T1	Collagen/vasc diseases Description DB Name: [ Q13T1 ]				(30 char.)		
13T2	Chronic liver disease Description DB Name: [ Q13T2 ]				(30 char.)		
13T3	Endocrine/diabetes Description DB Name: [ Q13T3 ]				(30 char.)		
13T4	Psychiatric disease Description DB Name: [ Q13T4 ]				(30 char.)		
13T5	Neuro/seizure Description DB Name: [ Q13T5 ]				(30 char.)		
13T6	Hypertension Description DB Name: [ Q13T6 ]				(30 char.)		
13T7	Heart disease Description DB Name: [ Q13T7 ]				(30 char.)		
13T8	Renal disease Description DB Name: [ Q13T8 ]				(30 char.)		
13T9	Pulmonary disease Description DB Name: [ Q13T9 ]				(30 char.)		
13T10	Substance abuse Description DB Name: [ Q13T10]				(30 char.)		
13T11	GI disease Description DB Name: [ Q13T11 ]				(30 char.)		
13T12	HIV/AIDs Description DB Name: [ Q13T12]				(30 char.)		
13T13	IDU at any time in past Description DB Name: [ Q13T13]				(30 char.)		
13T98	Other Description DB Name: [ Q13T98 ]				(30 char.)		
14	Pre-ALI/ALF Karnofsky score DB Name: [ Q14 ]	10 - 100 9 - 90	8 - 80 7 - 70	○ 6 - 60 ○ 5 - 50	0 4 - 40 0 3 - 30	2 - 20 1 - 10	◯ 99 - Unknown

С	Comments DB Name: [ zNotes		(250
	SAS Name: [ Comments ]	char.)	(250

### Annotated Form for CRF 04 [ Risk Factors and Past Medication ] Form ID: 83 DB Table Name: F04 DB View Name: vF04

No.	Item Description	Data Value				
A	Data Collected? DB Name: [ zDataCollected ] 0 - No 1 - Yes					
Risk	factors in last six months					
1	IDU DB Name: [ Q01 SAS Name: [ IDU	] 0 - No 1 - Yes				
2a	If IDU, check all that apply	Q02M1 - Amphetamines Q02M2 - Narcotics Q02M3 - Cocaine Q02M98 - Other				
2b	If other, specify IDL DB Name: [ Q02B					
	Usual intake of ETOH during the past 6 months	;				
3	1 drink ETOH =  12 oz or 1 can of bee  1.5 oz liquo  5 oz or 1 glass of wine  12 oz or 1 wine coole	2 - 1 drink per week 3 - 2 drinks per week 4 - 3-6 drinks per week				
	DB Name: [ Q03	-				
4	Number of weeks using ETOH during the past 6 months  DB Name: [ Q04	weeks				
9	Known drug allergies? DB Name: [ Q09					
10	Name drug(s DB Name: [ Q10					
11	Type of reaction DB Name: [ Q11					
12	Rashî DB Name: [ Q12					
13	Lymphadenopathy DB Name: [ Q13	-   ( ) U - INU				
14	Eosinophilia (i.e., absolute eosinophil count > 500/ml DB Name: [ Q14					
6	Pre-study NAC treatment DB Name: [ Q06					
7	Date pre-study NAC started DB Name: [ Q07					
15	Was pre-study NAC stopped prior to enrollment? DB Name: [ Q15					
8	If 'yes', date pre-study NAC stopped DB Name: [ Q08					
List inclu	ild Form ID: 99 Child DB Table Name: vf all medications taken in the 6 months prior to enrollment uding information about acetaminophen overdose, toxins, abination drugs should be separated and entered on 2 diff	herbs, mushrooms, OTC meds, vitamins, anesthetics, and anti TB agents.				
No.	(Generic last dose/day unit preferred) taken DB DB Na	E F G H I J R.N. Duration DB Unit APAP single dose', enter time dose?  QE ] QF ]				

	DB Name: [ QA ]	lame: [ Name: [ QC ]	Name: [ QG ]	DB Name: [ QH ]	DB Name: [ QI ]	DB Name: [ QJ ]
O	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]					/1

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## Annotated Form for CRF 05 [ Neurological Exam ] Form ID: 65 DB Table Name: F05

No.	Item Description	Data Value
Α	Data Collected? DB Name: [ zDataCollected ]	○ 0 - No ○ 1 - Yes
В	Date of assessment DB Name: [ zFormDate ]	(dd-mmm-yyyy) Complete
1	Asterixis DB Name: [ Q01 ]	○ 0 - 0 = absent ○ 1 - 1 = present
2	Pupillary Reflexes DB Name: [ Q02 ]	○ 0 - 0 = reactive ○ 1 - 1 = fixed
3	Babinski DB Name: [ Q03 ]	○ 0 - 0 = absent ○ 1 - 1 = present [up-going great toe]
4	Reflexes-patellar DB Name: [ Q04 ]	○ 0 - 0 = normo-active ○ 1 - 1 = hypo-reflexia ○ 2 - 2 = hyper-reflexes
5	Reflexes-biceps DB Name: [ Q05 ]	○ 0 - 0 = normo-active ○ 1 - 1 = hypo-reflexia ○ 2 - 2 = hyper-reflexes
6	Posturing-decorticate DB Name: [ Q06 ]	○ 0 - 0 = no posturing ○ 1 - 1 = posturing
7	Posturing-decerebrate DB Name: [ Q07 ]	○ 0 - 0 = no posturing ○ 1 - 1 = posturing
С	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	(250 char.)

## Annotated Form for CRF 06 [ O-Log ] Form ID: 105 DB Table Name: F06 DB View Name: vF06

No.	Item Description	Data Value							
A	Data Collected? DB Name: [ zDataCollected ]	○ 0 - No ○ 1 - Yes							
В	Date of assessment DB Name: [ zFormDate ]	(dd-mmm-yyyy) Complete							
If th	If the subject is intubated, select 'No' for "Data Collected" in the header and enter a comment.								
Star	ndardized O-Log Cues:								
-if -if 2. W -if -if 3. W -if	1. What city are you in? -if incorrect first answer, give logical cue according to your city location (for example, for Richmond, VA, "capital of Virginia.") -if incorrect to logical cue, give multiple choices: "are we in Miami, [your city], or Chicago"? 2. What kind of place are we in? -if incorrect first answer, give logical cue: "this is where sick people go to be admitted." -if incorrect to logical cue, give multiple choices: "railway station, airport, hospital." 3. What is the name of this hospital? -if incorrect first answer, make up logical cue for your hospitalif incorrect to logical cue, give multiple choices: "[your hospital], Georgetown Hospital, Cornell Hospital." NOTE: Give full credit (6 points) if patient answers both kind of place and hospital name at the same time.								
-if -if 5. W -if -if 6. W	4. What is the name of this month?.  -if incorrect first answer, give logical cue: "it's the month after []".  -if incorrect to logical cue, give multiple choices: month before, current month, month after current.  5. What is the date of this month?  -if incorrect first answer, give logical clue: "it's the day after []".  -if incorrect to logical cue, give multiple choices: date before, date after, current date.  6. What is the year?  -if incorrect first answer, give logical cue: "it's the year before []".  -if incorrect to logical cue, give multiple choices: current year, year before, year after								
-if -if 8. W F A	7. What is the day of the week?  -if incorrect first answer, give logical cue: "it's the day before []".  -if incorrect to logical cue, give 3 multiple choices including the correct day of week.  8. What time is it (show clock/watch to patient)?  For this question, there are no cues, and patient receives 3 points for correct response or 0 points for incorrect response.  A correct response should be within 30 minutes of the actual time.  For details of administering and scoring O-log, see: (http://www.tbims.org/combi/olog/olograt.html)								
1	City DB Name: [ Q01 ]	3 - (3) correct spontaneously or upon first free recall attempt 2 - (2) correct upon logical cueing 1 - (1) correct upon multiple choice cueing 0 - (0) unable, incorrect, inappropriate response							
2	Kind of place DB Name: [ Q02 ]	<ul> <li>3 - (3) correct spontaneously or upon first free recall attempt</li> <li>2 - (2) correct upon logical cueing</li> <li>1 - (1) correct upon multiple choice cueing</li> <li>0 - (0) unable, incorrect, inappropriate response</li> </ul>							
3	Name of hospital DB Name: [ Q03 ]	<ul> <li>3 - (3) correct spontaneously or upon first free recall attempt</li> <li>2 - (2) correct upon logical cueing</li> <li>1 - (1) correct upon multiple choice cueing</li> <li>0 - (0) unable, incorrect, inappropriate response</li> </ul>							
4	Month DB Name: [ Q04 ]	<ul> <li>3 - (3) correct spontaneously or upon first free recall attempt</li> <li>2 - (2) correct upon logical cueing</li> <li>1 - (1) correct upon multiple choice cueing</li> <li>0 - (0) unable, incorrect, inappropriate response</li> </ul>							
5	Date DB Name: [ Q05 ]	<ul> <li>3 - (3) correct spontaneously or upon first free recall attempt</li> <li>2 - (2) correct upon logical cueing</li> <li>1 - (1) correct upon multiple choice cueing</li> <li>0 - (0) unable, incorrect, inappropriate response</li> </ul>							
6	Year DB Name: [ Q06 ]	$\bigcirc$ 3 - (3) correct spontaneously or upon first free recall attempt $\bigcirc$ 2 - (2) correct upon logical cueing							

		<ul><li>1 - (1) correct upon multiple choice cueing</li><li>0 - (0) unable, incorrect, inappropriate response</li></ul>	
7		<ul> <li>3 - (3) correct spontaneously or upon first free recall attempt</li> <li>2 - (2) correct upon logical cueing</li> <li>1 - (1) correct upon multiple choice cueing</li> <li>0 - (0) unable, incorrect, inappropriate response</li> </ul>	
8	Clock time DB Name: [ Q08 ]	<ul> <li>3 - (3) correct spontaneously or upon first free recall attempt</li> <li>2 - (2) correct upon logical cueing</li> <li>1 - (1) correct upon multiple choice cueing</li> <li>0 - (0) unable, incorrect, inappropriate response</li> </ul>	
С	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	(250 char.)	//

### Annotated Form for CRF 07 [ Imaging/EEG/Biopsy ] Form ID: 106 DB Table Name: F07

NO.	o. Item Description					Data value										
A	Data Collected?  DB Name: [ zDataCollected ]						/	○ 0 - No ○ 1 - Yes								
	Please document all imaging, EEG, and Biopsies performed from enrollment through the End of Study Visit.  Print more worksheets, as needed.															
Ch	ild Form ID	): 120 C	hild D	B Tabl	e Nan		<b>07C1</b> Brain C		રા							
No.	1A Date of brai CT/MRI DB Name: [ (	re	1B n CT/M esults ame: [ (		Application			1D ereb dem Nar QD	oral a? ne: [	1E Intracranial hemorrhage DB Name: [ QE ]			I	1F Other brain CT/MRI abnormal findings (500 char.) DB Name: [ QF ]		
Ch	nild Form ID	): 121 C	hild D	B Tabl	e Nan	ne: vF	<b>07C2</b> 2. EE						•			
No.	Date of EEG EEG result Nonspecific general DB Name: [ DB Name: [ QB ] DB Name: [ QC			g		2D 2E			s	2F Other EEG abnormal findings (500 char.)  DB Name: [ QF ]						
Ch	nild Form ID	): 122 C	hild D	B Tabl	e Nan	-	07C3 domen		MRI							
No.	CI/MRI	3B Abdome CT/MR result DB Name QB ]	RI A	3C Abdomei CT/MRI oplicatio B Name: QC ]	n Si on I	3D mall iver DB ime: [ N	3E Large liver DB Name: QE]	co [ Na	3F odular ontour DB ame: [ QF]	pate DE	els nt B e: [	Splenome DB Name		ne: [ Na		3J Other abdomen CT/MRI abnormal findings (500 char.) DB Name: [ QJ]
Ch	nild Form ID	): 123 C	hild D	B Tabl	e Nan	-	<b>07C4</b> omen ւ		ound							
No.	abdomen result		n Sm d liv D : [ Nan	ver liver c		Nodu cont DE Nam	Ontour patent Spienomegaly		4I Asc y D Nam QI	ites B ne: [	tes ultrasound abnormal findings e: [ (500 char.)					
Ch	nild Form ID	): 124 C	hild D	B Tabl	e Nan		07C5 Liver b		<u>/</u>							
No.	5A Date of liver biopsy DB Name: D [ QA ]	result	Hepato nec DB N	6C ocellular rosis ame: [ C ]	5D If yes specif (%) DB Name QD]	fy Infla DB	5E ammat Name QE ]		Chole DB Na		N	5G eatosis DB ame: [ QG ]	5H Cirrho DB Name QH	sis e: [	abno over	5I er liver biopsy rmal findings / rall diagnosis (1000 char.) Name: [ QI ]
С	DI	Coı B Name: [ z	mments zNotes]	(250 c	har.)											//

# Annotated Form for CRF 08 [ Lab Data ] Form ID: 47 DB Table Name: F08 DB View Name: vF08

No.	Item Description	Data Value					
а	Data Collected? DB Name: [ zDataCollected]	○ 0 - No ○ 1 - Yes					
1	Date of blood draw DB Name: [ Q01 ]	(dd-mmm-yyyy) Complete					
Bloo	od						
2	Hemoglobin DB Name: [ Q02 ] SAS Name: [ Hemoglobin ]	g/dL					
3	Hematocrit DB Name: [ Q03 ] SAS Name: [ Hematocrit ]	%					
4	WBC DB Name: [ Q04 ] SAS Name: [ WBC ]	X1000/mm <sup>3</sup>					
5	Differential: PMN DB Name: [ Q05 ] SAS Name: [ PMN ]	%					
6	Differential: Lymphocytes DB Name: [ Q06 ] SAS Name: [ Lymph ]	%					
7	Differential: Eosinophils DB Name: [ Q07 ] SAS Name: [ Eosin ]	%					
8	Differential: Monos DB Name: [ Q08 ] SAS Name: [ Monos ]	%					
9	Platelet count DB Name: [ Q09 ] SAS Name: [ Platelet_Cnt ]	X1000/mm <sup>3</sup>					
Live	Liver						
10	Prothrombin time DB Name: [ Q10 ] SAS Name: [ Prothrom_Sec ]	seconds					
11	Is the INR above the limit of detection? DB Name: [ Q11 ] SAS Name: [ INR ]	○ 0 - No ○ 1 - Yes ○ 9 - Not done					
13	INR value: DB Name: [ Q13 ]						
14	ALT DB Name: [ Q14 ] SAS Name: [ ALT ]	IU/L					
15	AST DB Name: [ Q15 ] SAS Name: [ AST ]	IU/L					
16	Alk phos DB Name: [ Q16 ] SAS Name: [ Alk_Phosph ]	IU/L					
17	Albumin	gm/dL					

	DB Name: [ Q17 ] SAS Name: [ Albumin ]	
18	Total protein DB Name: [ Q18 ] SAS Name: [ Total_Protein ]	gm/dL
19	Bilirubin DB Name: [ Q19 ] SAS Name: [ Bilirubin ]	mg/dL
20	Glucose DB Name: [ Q20 ] SAS Name: [ Glucose ]	mg/dL
21	Amylase DB Name: [ Q21 ] SAS Name: [ Amylase ]	IU/L
22	CK DB Name: [ Q22 ] SAS Name: [ CK ]	IU/L
23	Lipase DB Name: [ Q23 ] SAS Name: [ Lipase ]	IU/L
Kid	ney/Electrolytes	
24	Creatinine DB Name: [ Q24 ] SAS Name: [ Creat ]	mg/dL
25	BUN DB Name: [ Q25 ] SAS Name: [ BUN ]	mg/dL
26	Na DB Name: [ Q26 ] SAS Name: [ NA ]	mmol/L
27	K DB Name: [ Q27 ] SAS Name: [ K ]	mmol/L
28	HCO3 DB Name: [ Q28 ] SAS Name: [ HCO3 ]	mmol/L
29	Chloride DB Name: [ Q29 ] SAS Name: [ Chloride ]	mmol/L
30	Phosphate DB Name: [ Q30 ] SAS Name: [ Phosphate ]	mg/dL
31	Magnesium DB Name: [ Q31 ] SAS Name: [ Magnesium ]	mEq/L
32	Total calcium DB Name: [ Q32 ] SAS Name: [ Total_Calcium ]	mg/dL
33	lonized calcium DB Name: [ Q33 ] SAS Name: [ lonized_Calcium ]	mg/dL
34	Is the lactate above the limit of detection? DB Name: [ Q34 ] SAS Name: [ Lactate ]	○ 0 - No ○ 1 - Yes ○ 9 - Not done
31 32 33	DB Name: [ Q30 ]	mEq/L  mg/dL  mg/dL

36	lactate value: DB Name: [ Q36 ]	mmol/L
Arte	erial/Toxins	
37	pH DB Name: [ Q37 ] SAS Name: [ PH ]	
38	pO <sub>2</sub> DB Name: [ Q38 ] SAS Name: [ PO2 ]	mmHg
39	pCO <sub>2</sub> DB Name: [ Q39 ] SAS Name: [ PCO2 ]	mmHg
40	Standard bicarbonate DB Name: [ Q40 ] SAS Name: [ St_BC ]	mEq/L
41	O <sub>2</sub> saturation DB Name: [ Q41 ] SAS Name: [ O2 ]	%
42	FiO <sub>2</sub> DB Name: [ Q42 ] SAS Name: [ FIO2 ]	%
43	Arterial ammonia DB Name: [ Q43 ] SAS Name: [ Arterial_Ammonia ]	umol/L
44	Venous ammonia DB Name: [ Q44 ] SAS Name: [ Venous_Ammonia ]	umol/L
45	Toxin screen positive (excluding acetaminophen) DB Name: [ Q45 ] SAS Name: [ Toxin_Screen ]	○ 0 - No ○ 1 - Yes
46	If yes, indicate drug(s) DB Name: [ Q46 ]	(100 char.)
47	Is the acetaminophen level below the limit of detection? DB Name: [ Q47 ]	○ 0 - No ○ 1 - Yes ○ 9 - Not done
49	acetaminophen level DB Name: [ Q49 ] SAS Name: [ Acetamin ]	mg/L
50	Date acetaminophen level collected DB Name: [ Q50 ] SAS Name: [ DateAcetamin ]	(dd-mmm-yyyy) Complete
51	Collection Time DB Name: [ Q51 ] SAS Name: [ TimeAcetamin ]	Complete Time (24hr)
С	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	

## Annotated Form for CRF 11 [ Pre-Study Peak Lab Value ] Form ID: 88 DB Table Name: F11

No.	Item Description	Data Value
A	Data Collected? DB Name: [ zDataCollected ]	○ 0 - No ○ 1 - Yes
Liver		
13A	INR DB Name: [ Q13A ] SAS Name: [ INR_Peak ]	
13B	INR date DB Name: [ Q13B ] SAS Name: [ INR_PeakD ]	(dd-mmm-yyyy) Complete
14A	ALT DB Name: [ Q14A ] SAS Name: [ ALT_Peak ]	IU/L
14B	ALT date DB Name: [ Q14B ] SAS Name: [ ALT_PeakDt ]	(dd-mmm-yyyy) Complete
15A	AST DB Name: [ Q15A ] SAS Name: [ AST_Peak ]	IU/L
15B	AST date DB Name: [ Q15B ] SAS Name: [ AST_PeakDt ]	(dd-mmm-yyyy) Complete
19A	Bilirubin DB Name: [ Q19A ] SAS Name: [ Blrb_Peak ]	mg/dL
19B	Bilirubin date DB Name: [ Q19B ] SAS Name: [ Blrb_PeakDt ]	(dd-mmm-yyyy) Complete
Kidne	ey/Electrolytes	
24A	Creatinine DB Name: [ Q24A ] SAS Name: [ Crtn_Peak ]	mg/dL
24B	Creatinine date DB Name: [ Q24B ] SAS Name: [ Crtn_PeakDt ]	(dd-mmm-yyyy) Complete
С	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	(250 char.)

# Annotated Form for CRF 12 [ Daily Check Up ] Form ID: 90 DB Table Name: F12

No.	Item Description	Data Value
а	Data Collected? DB Name: [ zDataCollected]	○ 0 - No ○ 1 - Yes
ICU	Checklist	
1	In ICU DB Name: [ Q01 ]	○ 0 - No ○ 1 - Yes
2	ICP Monitor DB Name: [ Q02 ]	○ 0 - No ○ 1 - Yes
3	CXR DB Name: [ Q03 ]	○ 0 - Normal ○ 1 - Abnormal ○ 2 - Not Done
9	Complications (Check all that apply)	Q09M1 - None Q09M2 - Seizures Q09M3 - Arrhythmia Q09M4 - GI Bleeding Q09M5 - ARDS Q09M6 - Infection Q09M7 - Other bleeding (specify)
10	If other bleeding, specify DB Name: [ Q10 ]	(100 char.)
11	Treatments (Check all that apply)	Q11M1 - None Q11M2 - Head up Q11M3 - Acid suppressant Q11M4 - Ventilator Q11M5 - Supplemental O2 Q11M6 - Lactulose Q11M7 - Rifaximin Q11M8 - Mannitol Q11M9 - Pressors (specify) Q11M10 - Hypertonic saline Q11M11 - Barbiturate Q11M11 - Barbiturate Q11M12 - Hypothermia Q11M13 - Anti-convulsant Q11M14 - Sedatives (propofol) Q11M15 - Paralytics Q11M16 - Vitamin K Q11M17 - Transfusion: RBC Q11M18 - Transfusion: Plasma (FFP) Q11M19 - Transfusion: Platelets Q11M2 - NAC oral Q11M22 - NAC IV Q11M23 - ELAD/BAL Q11M24 - Hepatocyte transfusions Q11M25 - Hemodialysis Q11M25 - CVVH
12	If pressors treatments,	Q12M1 - Dopamine
	specify (Check all that apply)	Q12M2 - Epinephrine

		Q12M3 - Neosynephrine (Phenylephrine) Q12M4 - Norepinephrine (levophed) Q12M5 - Vasopressin
13	Specific therapies (Check all that apply)	Q13M1 - None Q13M2 - Pen G/Silibynin (for mushroom poisoning) Q13M3 - Acyclovir (HSV) Q13M4 - Nucleoside/Nucleotide analogue Q13M5 - Corticosteroids (Autoimmune hepatitis) Q13M6 - Antibiotic Prophylaxis Q13M7 - Antibiotic therapy
If IC	P monitored:	
14	Daily Min ICP value DB Name: [ Q14 ]	mmHg
15	Daily Max ICP value DB Name: [ Q15 ]	mmHg
16	Type of monitor DB Name: [ Q16 ]	1 - Epidural 2 - Subdural 3 - Intraparenchymal 4 - Intraventricular 98 - Other
21	If other, specify type of monitor DB Name: [ Q21 ]	(100 char.)
17	Complications of monitoring DB Name: [ Q17 ]	○ 0 - None ○ 1 - Hemorrhage ○ 2 - Infection ○ 3 - Other
18	If other, specify complications DB Name: [ Q18 ]	(30 char.)
19	Primary reason for ICP withdrawal DB Name: [ Q19 ]	○ 1 - Malfunction    ○ 2 - Complications    ○ 3 - Improvement    ○ 4 - Other
20	If other, specify primary reason DB Name: [ Q20 ]	(100 char.)
С	Comments DB Name: [ zNotes ]	char.) (250

## Annotated Form for CRF 13 [ Vital Signs ] Form ID: 85 DB Table Name: F13 DB View Name: vF13

No.	Item Description	Data Value
A	Data Collected? DB Name: [ zDataCollected ]	○ 0 - No ○ 1 - Yes
В	Date of assessment DB Name: [ zFormDate ]	(dd-mmm-yyyy) Complete
1	Pulse DB Name: [ Q01 ] SAS Name: [ Pulse ]	beats/min
2	Systolic Blood Pressure DB Name: [ Q02 ] SAS Name: [ BPSys ]	mmHg
3	Diastolic Blood Pressure DB Name: [ Q03 ] SAS Name: [ BPDias ]	mmHg
4	Respiration DB Name: [ Q04 ] SAS Name: [ Respiration ]	breaths/min
5	Min Temperature (Prior 24 hours) DB Name: [ Q05 ] SAS Name: [ MinTemp ]	$^{\circ}C$
6	Max Temperature (Prior 24 hours)  DB Name: [ Q06 ]  SAS Name: [ MaxTemp ]	$\sim$
7	Height (Day 1 only) DB Name: [ Q07 ] SAS Name: [ Height ]	ст
8	Weight (Day 1 only) DB Name: [ Q08 ] SAS Name: [ Weight ]	kg
	Were any imaging, EEGs, or biopsies performed?	
9	If this is not the first assessment, document any performed since the last assessment. DB Name: [ Q09 ]	○ 0 - No ○ 1 - Yes
С	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	(250 char.)

# Annotated Form for CRF 14 [ Infections ] Form ID: 87 DB Table Name: F14

No.	Item Description	Data Value					
а	Data Collected? DB Name: [ zDataCollected ]	○ 0 - No ○ 1 - Yes					
Altho	Infections: Indicate positive cultures through day 7 by signifying study day of first positive sample.  Although this form should be capture infections through day 7 and antibiotic treatment through hospitalization, this form should be data entered under the 'admission visit'.						
1	Positive cultures? DB Name: [ Q01 ]	○ 0 - No ○ 1 - Yes					
2b	Blood: Date DB Name: [ Q02B ] SAS Name: [ Blood ]	(dd-mmm-yyyy) Complete					
2c	Blood: Organism (check all that apply)	Q02CM1 - S.aureus Q02CM2 - S.epid Q02CM3 - Enterococcus Q02CM4 - E.coli Q02CM5 - Klebsiella Q02CM6 - Fungus					
2c1	Blood: Organism Other DB Name: [ Q02C ] SAS Name: [ OT_Bld ]	(50 char.)					
2d	Blood:outcome DB Name: [ Q02D ] SAS Name: [ OC_Bld ]	1 - Resolved 2 - Cause of death 3 - Unknown importance					
3b	Tracheal aspirate: Date DB Name: [ Q03B ] SAS Name: [ TracAsp	(dd-mmm-yyyy) Complete					
3с	Tracheal aspirate: Organism (check all that apply)	Q03CM1 - S.aureus Q03CM2 - S.epid Q03CM3 - Enterococcus Q03CM4 - E.coli Q03CM5 - Klebsiella Q03CM6 - Fungus					
3c1	Tracheal aspirate: Organism Other DB Name: [ Q03C ] SAS Name: [ OT_Trac ]	(50 char.)					
3d	Tracheal aspirate: outcome DB Name: [ Q03D ] SAS Name: [ OC_Trac ]	○ 1 - Resolved ○ 2 - Cause of death ○ 3 - Unknown importance					
4b	Urine: Date DB Name: [ Q04B ] SAS Name: [ Urine ]	(dd-mmm-yyyy) Complete					
4c	Urine: Organism (check all that apply)	Q04CM1 - S.aureus Q04CM2 - S.epid Q04CM3 - Enterococcus Q04CM4 - E.coli					

		☐ Q04CM5 - Klebsiella ☐ Q04CM6 - Fungus	
4c1	Urine: Organism Other DB Name: [ Q04C ] SAS Name: [ OT_Ur ]		(50 char.)
4d	Urine: outcome DB Name: [ Q04D ] SAS Name: [ OC_Ur ]	☐ 1 - Resolved ☐ 2 - Cause of death ☐ 3 - Unknown importance	
5b	Catheters (vascular): Date DB Name: [ Q05B ] SAS Name: [ Catheters ]	(dd-mmm-yyyy) Complete	
5c	Catheters (vascular): Organism (check all that apply)	Q05CM1 - S.aureus Q05CM2 - S.epid Q05CM3 - Enterococcus Q05CM4 - E.coli Q05CM5 - Klebsiella Q05CM6 - Fungus	
5c1	Catheters (vascular): Organism Other DB Name: [ Q05C ] SAS Name: [ OT_Cath ]		(50 char.)
5d	Catheters (vascular): outcome DB Name: [ Q05D ] SAS Name: [ OC_Cath ]	○ 1 - Resolved ○ 2 - Cause of death ○ 3 - Unknown importance	
6b	Wounds: Date DB Name: [ Q06B ] SAS Name: [ Wounds ]	(dd-mmm-yyyy) Complete	
6c	Wounds: Organism (check all that apply)	Q06CM1 - S.aureus Q06CM2 - S.epid Q06CM3 - Enterococcus Q06CM4 - E.coli Q06CM5 - Klebsiella Q06CM6 - Fungus	
6c1	Wounds: Organism Other DB Name: [ Q06C ] SAS Name: [ OT_Wnd ]		(50 char.)
6d	Wounds: outcome DB Name: [ Q06D ] SAS Name: [ OC_Wnd ]	☐ 1 - Resolved ☐ 2 - Cause of death ☐ 3 - Unknown importance	
7b	Ascites: Date DB Name: [ Q07B ] SAS Name: [ Ascites ]	(dd-mmm-yyyy) Complete	
7c	Ascites: Organism (check all that apply)	Q07CM1 - S.aureus Q07CM2 - S.epid Q07CM3 - Enterococcus Q07CM4 - E.coli	

		Q07CM5 - Klebsiella
		Q07CM6 - Fungus
7c1	Ascites: Organism Other DB Name: [ Q07C ] SAS Name: [ OT_Asc	(50 char.)
7d	Ascites: outcome DB Name: [ Q07D ] SAS Name: [ OC_Asc ]	○ 1 - Resolved ○ 2 - Cause of death ○ 3 - Unknown importance
8b	Other evidence infection: Date DB Name: [ Q08B ] SAS Name: [ OtherEvInf ]	(dd-mmm-yyyy) Complete
8c	Other evidence infection: specify DB Name: [ Q08C ] SAS Name: [ OtherEvInfTxt ]	(100 char.)
8d	Other evidence: outcome DB Name: [ Q08D ] SAS Name: [ OC_OtherEvInf ]	○ 1 - Resolved ○ 2 - Cause of death ○ 3 - Unknown importance
10	Did subject receive antibiotic treatment during hospitalization? DB Name: [ Q10 ]	○ 0 - No ○ 1 - Yes
11	Did subject receive antibiotic prophylaxis during hospitalization? DB Name: [ Q11 ]	○ 0 - No ○ 1 - Yes
С	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	(250 char.)

## Annotated Form for CRF 15 [ Transplant ] Form ID: 108 DB Table Name: F15

No.	Item Description	Data Value	
A	Data Collected? DB Name: [ zDataCollected ]	○ 0 - No ○ 1 - Yes	
Add	led to waiting list (first tim	e only)	
1	Put on waiting list? DB Name: [ Q01 ]	○ 0 - No ○ 1 - Yes	
2	If yes, date first time put on waiting list DB Name: [ Q02 ]	(dd-mmm-yyyy) Complete	
3	If yes, time first time put on waiting list DB Name: [ Q03 ]	Complete Time (24hr)	
4	If no, primary reason for not being added to waiting list DB Name: [ Q04 ]	1 - Not sick enough 2 - Irreversible brain damage 3 - Sepsis 4 - Active substance use 5 - Inadequate social support  6 - Active psychiatric disease 7 - Medically unsuitable 8 - Other 9 - Patient already on list	
5	If other, specify reason for not being added to waiting list DB Name: [ Q05 ]	(100 char.)	
Ren	noved from waiting list (firs	st time only)	
6	Removed from waiting list prior to being transplanted? DB Name: [ Q06 ]	○ 0 - No ○ 1 - Yes	
7	If Yes, date first time removed from waiting list DB Name: [ Q07 ]	(dd-mmm-yyyy) Complete	
8	If Yes, time first time removed from waiting list DB Name: [ Q08 ]	Complete Time (24hr)	
9	If yes, primary reason for being removed from waiting list DB Name: [ Q09 ]	1 - Improved 2 - Irreversible brain damage 3 - Sepsis 4 - Medically unsuitable 5 - Other	
10	If other, specify reason for being removed from waiting list DB Name: [ Q10 ]	(100 char.)	
Live	er Transplant <b>(first transpl</b>	ant only)	
11	Transplanted? DB Name: [ Q11 ]	○ 0 - No ○ 1 - Yes ○ 99 - Unknown	
12	If yes, date of first transplant DB Name: [ Q12 ]	(dd-mmm-yyyy) Complete	
13	If yes, time of first transplant DB Name: [ Q13 ]	Complete Time (24hr)	
14	Type of transplant(Check all that apply)	Q14M1 - Orthotopic Q14M2 - Auxiliary	

		Q14M3 - Split liver Q14M4 - Living donor Q14M5 - ABO compatible liver
15	Resected liver weight DB Name: [ Q15 ]	gms
16	Immediate complications during transplant hospitalization DB Name: [ Q16 ]	1 - PNF (Primary Non-function) 3 - Biliary 5 - None 2 - Hepatic artery thrombosis 4 - Bleeding 98 - Other
17	If 'other', specify: DB Name: [ Q17 ]	(100 char.)
lmn	nunosuppression associate	ed with first transplant
18	Immunosuppression used within the first 72 hours of OLT. (Check all that apply)	Q18M1 - ATG Q18M2 - Azathioprine Q18M3 - Cyclosporine Q18M4 - Daclizumab Q18M5 - Mycophenolate Q18M6 - OKT3 Q18M7 - Prednisone Q18M8 - Sirolimus Q18M9 - Tacrolimus Q18M9 - Tacrolimus
19	If other, specify immunosuppression DB Name: [ Q19 ]	(100 char.)
Dor	nor Graft #1 associated wit	h first transplant
20	Recipient Blood Group DB Name: [ Q20 ]	○1-A ○2-B ○3-O ○4-AB
21	Donor Blood Group DB Name: [ Q21 ]	○1-A ○2-B ○3-O ○4-AB
22	Biliary anastomosis DB Name: [ Q22 ]	1 - Duct to duct 2 - Roux-en-y
23	Donor Gender DB Name: [ Q23 ]	1 - Male 2 - Female
24	Donor Age DB Name: [ Q24 ]	years
25	Cold ischemia time DB Name: [ Q25 ]	Complete Time (24hr)
26	Warm ischemia time DB Name: [ Q26 ]	Complete Time (24hr)
27	Narrative Summary DB Name: [ Q27 ]	char.)
Re-	Transplanted	
28	Re-transplanted? DB Name: [ Q28 ]	○ 0 - No ○ 1 - Yes
29	If yes, date of re- transplant DB Name: [ Q29 ]	(dd-mmm-yyyy) Complete

В	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	char.)	(250
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## Annotated Form for CRF 16 [ Diagnosis ] Form ID: 96 DB Table Name: F16 DB View Name: vF16

No.	Item Description	Data Value
A	Data Collected? DB Name: [ zDataCollected ]	○ 0 - No ○ 1 - Yes
В	Date of assessment DB Name: [ zFormDate ]	(dd-mmm-yyyy) Complete
Ace	taminophen	
1	Acetaminophen overdose (Medication information regarding APAP overdose is captured on Form 04.) DB Name: [ Q01 ]	○ 0 - No ○ 1 - Yes
2	If yes, specify type DB Name: [ Q02 ]	<ul><li>1 - Suicide attempt</li><li>2 - Unintentional</li><li>3 - Unknown</li></ul>
3	If unintentional or unknown, motivation of overdose DB Name: [ Q03 ]	○ 1 - MD recommended    ○ 2 - Self initiated
4	If therapeutic intent, primary indication DB Name: [ Q04 ]	1 - Acute pain syndrome (i.e. < 1 week of symptoms) 2 - Infectious process 3 - Sub-acute pain (i.e. 1-4 week of symptoms) 4 - Chronic pain (> 4 weeks of symptoms) 98 - Other
93	If other indication, specify DB Name: [ Q93 ]	(100 char.)
Any	ALI/ALF in pregnancy	
7	Any ALI/ALF in pregnancy DB Name: [ Q07 ]	○ 0 - No ○ 1 - Yes
8	HELLP? DB Name: [ Q08 ]	○ 0 - No ○ 1 - Yes
9	AFLP? DB Name: [ Q09 ]	○ 0 - No ○ 1 - Yes
10	Weeks gestation at enrollment? DB Name: [ Q10 ]	weeks
11	Delivered? DB Name: [ Q11 ]	○ 0 - No ○ 1 - Yes
12	If delivered, date of delivery DB Name: [ Q12 ]	(dd-mmm-yyyy) Complete
13	Fetal status at week 3:Baby DB Name: [ Q13 ]	
14	If death, specify date DB Name: [ Q14 ]	(dd-mmm-yyyy) Complete
15	If baby alive, date of hospital discharge DB Name: [ Q15 ]	(dd-mmm-yyyy) Complete
16	If not delivered, estimated date of	(dd-mmm-yyyy) Complete

	confinement (EDC) DB Name: [ Q16 ]	
17	Gravida DB Name: [ Q17 ]	
18	Para DB Name: [ Q18 ]	
19	Pre-eclampsia? DB Name: [ Q19 ]	○ 0 - No ○ 1 - Yes
20	Eclampsia? DB Name: [ Q20 ]	○ 0 - No ○ 1 - Yes
21	Prior pregnancy: Pre- eclampsia? DB Name: [ Q21 ]	○ 0 - No ○ 1 - Yes
22	Prior pregnancy: Eclampsia? DB Name: [ Q22 ]	○ 0 - No ○ 1 - Yes
23	Complication? DB Name: [ Q23 ]	○ 0 - No ○ 1 - Yes
24	Intra-abdominal hematoma? DB Name: [ Q24 ]	○ 0 - No ○ 1 - Yes
25	Hepatic rupture? DB Name: [ Q25 ]	○ 0 - No ○ 1 - Yes
26	C-Section? DB Name: [ Q26 ]	○ 0 - No ○ 1 - Yes
Aut	oimmune hepatitis (AIH)	
27	Autoimmune hepatitis (AIH)? DB Name: [ Q27 ]	○ 0 - No ○ 1 - Yes
28	Positive serologies? DB Name: [ Q28 ]	○ 0 - No ○ 1 - Yes
29	Biopsy performed? DB Name: [ Q29 ]	○ 0 - No ○ 1 - Yes
30	Prednisone begun? DB Name: [ Q30 ]	○ 0 - No ○ 1 - Yes
31	If yes, specify prednisone start date DB Name: [ Q31 ]	(dd-mmm-yyyy) Complete
32	Other immunosuppressant? DB Name: [ Q32 ]	○ 0 - No ○ 1 - Yes
	If yes, specify	
33	immunosuppressant name	(25 char.)
	DB Name: [ Q33 ]	
34	If yes, immunosuppressant start date DB Name: [ Q34 ]	(dd-mmm-yyyy) Complete
Buc	ld Chiari Syndrome	
35	Budd Chiari Syndrome? DB Name: [ Q35 ]	○ 0 - No ○ 1 - Yes
36	Risk factor (Check all that apply)	Q36M1 - Blood dyscrasia Q36M2 - Clotting disorder Q36M98 - Other
37	If other cause, specify: DB Name: [ Q37 ]	(25 char.)

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38	Specify risk factor of blood dyscrasia DB Name: [ Q38 ]				(50 char.)
39	Specify risk factor of clotting disorder DB Name: [ Q39 ]				(50 char.)
40	Specify risk factor of other cause DB Name: [ Q40 ]				(50 char.)
41	Diagnosis established by (Check all that apply)	Q41M1 - Liver biopsy Q41M2 - CT Q41M3 - MRI Q41M4 - Angiography			
42	Therapy, other than transplant (Check all that apply)	Q42M1 - Anticoagulation Q42M2 - TIPSS Q42M3 - Surgical shunt Q42M98 - Other			
43	If other, specify therapy DB Name: [ Q43 ]	(100 char.)			
DIL					
44	DILI? DB Name: [ Q44 ]	○ 0 - No ○ 1 - Yes			
Ch	ild Form ID: 117 C	hild DB Table Name: vl	F16C		
N.	A Suspect drug name (50 char.)	B Prior use of same drug?	C Duration: Year (years)	D Duration: Month (months)	E Causality assessment
No.	(30 Cital.)		(years)	(montais)	
	DB Name: [ QA ]	DB Name: [ QB ]	DB Name: [ QC ]	DB Name: [ QD ]	DB Name: [ QE ]
	DB Name: [ QA ]			, ,	
	DB Name: [ QA ]	DB Name: [ QB ]		, ,	
Нер	DB Name: [ QA ] Datitis A Hepatitis A?	DB Name: [ QB ]	DB Name: [ QC ]	, ,	
Нер 52	DB Name: [ QA ] Datitis A  Hepatitis A? DB Name: [ Q52 ]  Risk factor in past 4 months (Check all that apply)  If other, specify risk factor	DB Name: [ QB ]  0 - No	DB Name: [ QC ]	DB Name: [QD]	
Hep 52 53	DB Name: [ QA ] Datitis A  Hepatitis A? DB Name: [ Q52 ]  Risk factor in past 4 months (Check all that apply)  If other, specify risk factor DB Name: [ Q54 ]	DB Name: [ QB ]  0 - No	DB Name: [ QC ]	DB Name: [QD]	DB Name: [ QE ]
Hep 52 53	DB Name: [ QA ] Datitis A  Hepatitis A? DB Name: [ Q52 ]  Risk factor in past 4 months (Check all that apply)  If other, specify risk factor	DB Name: [ QB ]  0 - No	DB Name: [ QC ]	DB Name: [QD]	DB Name: [ QE ]
52 53 54 Hep	DB Name: [ QA ] Datitis A  Hepatitis A? DB Name: [ Q52 ]  Risk factor in past 4 months (Check all that apply)  If other, specify risk factor DB Name: [ Q54 ]  Datitis B  Hepatitis B?	DB Name: [ QB ]  0 - No 1 - Yes  Q53M1 - Food Q53M2 - Water Q53M3 - Household contact Q53M4 - MSM (Men having Q53M98 - Other	DB Name: [QC]	DB Name: [QD]	DB Name: [ QE ]
52 53 54 Her 55	DB Name: [ QA ] Datitis A  Hepatitis A? DB Name: [ Q52 ]  Risk factor in past 4 months (Check all that apply)  If other, specify risk factor DB Name: [ Q54 ] Datitis B  Hepatitis B? DB Name: [ Q55 ]  Risk factors in past 6 months	DB Name: [ QB ]  0 - No	DB Name: [QC]	DB Name: [QD]	DB Name: [ QE ]
52 53 54 Her 55 56	DB Name: [ QA ] Datitis A  Hepatitis A? DB Name: [ Q52 ]  Risk factor in past 4 months (Check all that apply)  If other, specify risk factor DB Name: [ Q54 ] Datitis B  Hepatitis B? DB Name: [ Q55 ]  Risk factors in past 6 months (Check all that apply)  Prior positive HBsAg?	DB Name: [ QB ]  0 - No	DB Name: [QC]	DB Name: [QD]	DB Name: [ QE ]

	DB Name: [ Q59 ]	
	If yes, date of hepatitis	
60	B DB Name: [ Q60 ]	(dd-mmm-yyyy) Complete
Mus	shroom intoxication	
61	Mushroom intoxication? DB Name: [ Q61 ]	○ 0 - No ○ 1 - Yes
62	Time of ingestion DB Name: [ Q62 ]	Complete Time (24hr)
63	Date of ingestion DB Name: [ Q63 ]	(dd-mmm-yyyy) Complete
64	Muscarinic symptoms? (vomiting, diarrhea, sweating) DB Name: [ Q64 ]	○ 0 - No ○ 1 - Yes
65	If yes, time of onset DB Name: [ Q65 ]	Complete Time (24hr)
66	Other persons affected? DB Name: [ Q66 ]	○ 0 - No ○ 1 - Yes
Sho	ock/ischemia	
67	Shock/ischemia? DB Name: [ Q67 ]	○ 0 - No ○ 1 - Yes
68	Cardiac cause of shock? DB Name: [ Q68 ]	○ 0 - No ○ 1 - Yes
69	If yes, result of Echocardiogram: Left ventricular ejection fraction DB Name: [ Q69 ]	%
70	Mean PA systolic pressure DB Name: [ Q70 ]	mm of Hg
71	Date of echocardiogram DB Name: [ Q71 ]	(dd-mmm-yyyy) Complete
72	Arrhythmia DB Name: [ Q72 ]	_ 1 - Atrial 2 - Ventricular 3 - No arrhythmia
73	Hypotension (SBP <90 or MAP<50)? DB Name: [ Q73 ]	○ 0 - No ○ 1 - Yes
74	If yes, Date of SBP<90 or MAP<50 DB Name: [ Q74 ]	(dd-mmm-yyyy) Complete
75	If yes, Time of SBP<90 or MAP<50 DB Name: [ Q75 ]	Complete Time (24hr)
76	Pressors given? DB Name: [ Q76 ]	○ 0 - No ○ 1 - Yes
77	Specify pressor: (check all that apply)	Q77M1 - Dopamine Q77M2 - Epinephrine Q77M3 - Neosynephrine (phenylephrine) Q77M4 - Norepinephrine (levophed) Q77M5 - Vasopressin
	er viruses	
78	Other viruses?	○ 0 - No ○ 1 - Yes

1	DB Name: [ Q78 ]	
79	Virus type DB Name: [ Q79 ]	1 - CMV 4 - HSV I 2 - EBV 5 - VZV 3 - HHV 6 98 - Other virus type
80	Specify 'other virus' type: DB Name: [ Q80 ]	(50 char.)
81	Immunosuppressed? DB Name: [ Q81 ]	○ 0 - No ○ 1 - Yes
82	Skin rash? DB Name: [ Q82 ]	○ 0 - No ○ 1 - Yes
83	Skin biopsy/swab? DB Name: [ Q83 ]	○ 0 - No ○ 1 - Yes
84	Vaginal swab? DB Name: [ Q84 ]	○ 0 - No ○ 1 - Yes
85	Antibody results DB Name: [ Q85 ]	(100 char.)
86	DNA quant DB Name: [ Q86 ]	IU or copies/mL
Dia	gnosis	
87	Primary cause of ALI/ALF DB Name: [ Q87 ]	1 - 1. Acetaminophen 2 - 2. Any ALI/ALF in pregnancy 3 - 3. Autoimmune hepatitis 4 - 4. Budd-Chiari syndrome 5 - 5. DILI 6 - 6. Hepatitis A 7 - 7. Hepatitis B (+/- delta) 8 - 8. Hepatitis C
88	Specify other diagnosis if applicable: DB Name: [ Q88 ]	(100 char.)
89	How was final diagnosis established? (Check all that apply)	Q89M1 - Hx Q89M2 - Tissue/histology Q89M3 - Lab Q89M98 - Other
90	If other, specify DB Name: [ Q90 ]	(100 char.)
94	Narrative summary / Interval history DB Name: [ Q94 ]	(3000
		char.)
91	Last name of reviewing site investigator: DB Name: [ Q91 ]	(15 char.)
92	Date of site investigator review: DB Name: [ Q92 ]	(dd-mmm-yyyy) Complete
С	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	char.) (250

## Annotated Form for CRF 17 [ Discharge Summary ] Form ID: 86 DB Table Name: F17 DB View Name: vF17

No.	Item Description	Data Value
Α	Date of assessment DB Name: [ zFormDate ]	(dd-mmm-yyyy) Complete
Out	come at the time of summa	ary
1	Was the subject discharged to home? DB Name: [ Q01 ]	○ 0 - No ○ 1 - Yes
2	If yes, date of discharge home: DB Name: [ Q02 ]	(dd-mmm-yyyy) Complete
3	Was the subject discharged to another facility? DB Name: [ Q03 ]	○ 0 - No ○ 1 - Yes
4	If yes, date of discharge to another facility: DB Name: [ Q04 ]	(dd-mmm-yyyy) Complete
5	If yes, where? DB Name: [ Q05 ]	(100 char.)
O	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	char.) (250

### Annotated Form for CRF 18 [ LTFU Part 1 - Outcome ] Form ID: 91 DB Table Name: F18

No.	Item Description	Data Value
A	Data Collected? DB Name: [ zDataCollected ]	○ 0 - No ○ 1 - Yes
В	Date of assessment DB Name: [ zFormDate ]	(dd-mmm-yyyy) Complete
1	Data collection method (Check all that apply) If chart review, complete this form only with new information since the last visit.	Q01M1 - Chart Q01M2 - Phone Q01M3 - Clinic visit
11	If question 1 is 'chart review', what is the most recent date of subject contact documented in the chart? DB Name: [ Q11 ]	(dd-mmm-yyyy) Complete
If pa	atient alive:	
2	Was the subject transplanted? DB Name: [ Q02 ]	○ 0 - No ○ 1 - Yes ○ 99 - Unknown
3	Subject hospitalized since last visit? (Exclude the enrolling event.) DB Name: [ Q03 ]	○ 0 - No ○ 1 - Yes
4	If yes, hospital admission date closest to ALF discharge. If the subject was hospitalized more than once since the last visit, enter the date of hospitalization that occurred first. If more than one hospitalization, then please explain in Comments. DB Name: [ Q04 ]	(dd-mmm-yyyy) Complete
5	Reason for hospitalization. DB Name: [ Q05 ]	(200 char.)
6	Diagnosis as of this visit DB Name: [ Q06 ]	1 - 1. Acetaminophen9 - 9. Hepatitis E2 - 2. Any ALI/ALF in pregnancy10 - 10. Mushroom intoxication3 - 3. Autoimmune hepatitis11 - 11. Shock/ischemia4 - 4. Budd-Chiari syndrome12 - 12. Wilson's disease5 - 5. DILI13 - 13. Indeterminate6 - 6. Hepatitis A14 - 14. Other viruses7 - 7. Hepatitis B (+/- delta)15 - 15. Other8 - 8. Hepatitis C
7	List DILI agent if applicable DB Name: [ Q07 ]	(100 char.)
8	Specify other viruses if applicable DB Name: [ Q08 ]	(100 char.)

9	Specify other diagnosis DB Name: [ Q09 ]	(100 char.)	
С	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	char.)	250

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## Annotated Form for CRF 19 [ LTFU Part 2 - Complications ] Form ID: 92 DB Table Name: F19

No.	Item Description	Data Value
A	Data Collected? DB Name: [ zDataCollected ]	○ 0 - No ○ 1 - Yes
В	Date of assessment DB Name: [ zFormDate ]	(dd-mmm-yyyy) Complete
disc	nplications since the last visit. If this harge. eck all that apply)	s is the first follow up assessment, enter all complications that have occurred since hospital
1	Neurological	Q01M0 - None Q01M1 - Neuropathy Q01M2 - Seizure Q01M3 - CVA Q01M4 - Headache Q01M5 - Speech Q01M6 - Tremors Q01M7 - Global impairment Q01M99 - Unknown
2	Pulmonary	Q02M0 - None Q02M1 - Pneumonia Q02M2 - Effusion Q02M3 - Tracheostomy Q02M99 - Unknown
3	Cardiac	Q03M0 - None         Q03M1 - Arrhythmia         Q03M2 - CHF         Q03M3 - MI         Q03M99 - Unknown
4	Renal	Q04M0 - None         Q04M1 - HD < 3 months
5	Liver-Biliary	Q05M0 - None         Q05M1 - Leak         Q05M2 - Stricture         Q05M3 - Stone/sludge         Q05M4 - PTC         Q05M5 - ERCP         Q05M6 - Surgical revision         Q05M99 - Unknown
6	Liver-Vascular	Q06M0 - None Q06M7 - HAT Q06M1 - HA stenosis Q06M2 - IVC Q06M3 - Portal vein Q06M4 - Angioplasty/stent Q06M5 - Anti-coagulants

		☐ Q06M6 - Surgical revision ☐ Q06M99 - Unknown	
7	Re-operation after transplant	Q07M0 - None Q07M1 - Biliary Q07M2 - Vascular Q07M3 - Intra-abd bleed Q07M4 - Intra-abd sepsis Q07M5 - Wound related Q07M98 - Other Q07M99 - Unknown	
7t	If other, specify re-operation DB Name: [ Q07T ]		(50 char.)
8	CMV disease	Q08M0 - None         Q08M1 - Blood         Q08M2 - Lung         Q08M3 - Liver         Q08M98 - Other         Q08M99 - Unknown	
8t	If other, specify CMV disease DB Name: [ Q08T ]		(50 char.)
9	Bacterial infection	Q09M0 - None Q09M1 - Bacteremia Q09M2 - Cholangitis Q09M3 - Hapatic abscess Q09M4 - Intra-abdominal Q09M98 - Other Q09M99 - Unknown	
9t	If other, specify bacterial infection DB Name: [ Q09T ]		(50 char.)
10	Fungal infection	□ Q10M0 - None □ Q10M1 - Fluconazole □ Q10M2 - Amphotericin □ Q10M3 - Blood □ Q10M4 - Lung □ Q10M98 - Other □ Q10M99 - Unknown	
10t	If other, specify fungal infection DB Name: [ Q10T ]		(50 char.)
11	Diabetes mellitus	Q11M0 - None Q11M1 - Oral agent Q11M2 - Insulin Q11M3 - Diet only Q11M99 - Unknown	
12	Hypertension	☐ Q12M0 - None ☐ Q12M1 - Drug therapy ☐ Q12M2 - Diet ☐ Q12M99 - Unknown	
13	Hyperlipidemia	Q13M0 - None	

		Q13M1 - Drug therapy Q13M2 - Diet Q13M99 - Unknown
14	Additional Narrative Summary DB Name: [ Q14 ]	(1500 char.)
15	Were any imaging, EEGs, or biopsies performed?  If this is not the first assessment, document any performed since the last assessment.  DB Name: [ Q15 ]	○ 0 - No ○ 1 - Yes
С	Comments DB Name: [ zNotes ]	(250 char.)

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### Annotated Form for CRF 21 [ LTFU Part 4 - Substance abuse ] Form ID: 94 DB Table Name: F21

No.	Item Description	Data Value
A	Data Collected? DB Name: [ zDataCollected ]	○ 0 - No ○ 1 - Yes
В	Date of assessment DB Name: [ zFormDate ]	(dd-mmm-yyyy) Complete
Sub	stance abuse since ALF/A	1
1	Suicidal intent/gesture DB Name: [ Q01 ]	0 - No 1 - Yes 99 - Unknown
2	If yes, specify DB Name: [ Q02 ]	(200 char.)
3	Suicidal intent/gesture date DB Name: [ Q03 ]	(dd-mmm-yyyy) Complete
4	Acetaminophen overdose DB Name: [ Q04 ]	0 - No 1 - Yes 99 - Unknown
5	Acetaminophen overdose date DB Name: [ Q05 ]	(dd-mmm-yyyy) Complete
6	Psychiatric illness DB Name: [ Q06 ]	○ 0 - No ○ 1 - Yes ○ 99 - Unknown
7	If yes, specify DB Name: [ Q07 ]	(200 char.)
8	Alcohol abuse/alcoholism DB Name: [ Q08 ]	0 - No 1 - Yes 99 - Unknown
9	CAGE: Cut down DB Name: [ Q09 ]	0 - No 1 - Yes 99 - Unknown
10	CAGE: Annoyed DB Name: [ Q10 ]	0 - No 1 - Yes 99 - Unknown
11	CAGE: Guilty DB Name: [ Q11 ]	0 - No 1 - Yes 99 - Unknown
12	CAGE: Eye opener DB Name: [ Q12 ]	○ 0 - No ○ 1 - Yes ○ 99 - Unknown
13	Illicit drug use DB Name: [ Q13 ]	0 - No 1 - Yes 99 - Unknown
14	If yes, specify DB Name: [ Q14 ]	(200 char.)
С	Comments DB Name: [ zNotes ]	(250 char.)

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# Annotated Form for CRF 22 [ LTFU Part 5 ] Form ID: 95 DB Table Name: F22 DB View Name: vF22

No.	o. Item Description Data Value	
A	Data Collected? DB Name: [ zDataCollected ]	○ 0 - No ○ 1 - Yes
В	Date of assessment DB Name: [ zFormDate ]	(dd-mmm-yyyy) Complete
Dem	ographics	
1	Current employment status DB Name: [ Q01 ]	1 - Employed-full time 6 - Self-employed 2 - Employed-part time 7 - Retired 3 - Medical disability 8 - Other capacity 4 - Student 9 - Unemployed 5 - Homemaker 99 - Unknown
2	Occupation DB Name: [ Q02 ]	(50 char.)
3	Current Karnofsky score DB Name: [ Q03 ]	10 - 100 8 - 80 6 - 60 4 - 40 2 - 20 9 - 90 7 - 70 5 - 50 3 - 30 1 - 10 99 - Unknown
4	Current years of education completed since starting 1st grade (Do not count repeated grades) DB Name: [ Q04 ]	years
5	Current marital status DB Name: [ Q05 ]	1 - Never married 4 - Separated 99 - Unknown 2 - Married 5 - Widowed 3 - Divorced 6 - Significant Other
6	Current health insurance (Check all that apply)	Q06M1 - No insurance Q06M2 - Private insurance (including HMO, PPO, IPO, etc) Q06M3 - Medicare Q06M4 - Medicaid Q06M99 - Unknown
Liver	Histology List	
7	Liver Histology List:	Q07M1 - Not done
8a	Liver histology 1: Date DB Name: [ Q08A ]	(dd-mmm-yyyy) Complete
8b	Liver histology 1: Findings (Check all that apply)	Q08B1 - Hepatitis Q08B2 - Cirrhosis Q08B3 - Rejection
8c	Liver histology 2: Date DB Name: [ Q08C ]	(dd-mmm-yyyy) Complete
8d	Liver histology 2: Findings (Check all that apply)	Q08D1 - Hepatitis Q08D2 - Cirrhosis Q08D3 - Rejection
8e	Liver histology 3: Date DB Name: [ Q08E ]	(dd-mmm-yyyy) Complete
8f	Liver histology 3: Findings (Check all that apply)	Q08F1 - Hepatitis Q08F2 - Cirrhosis Q08F3 - Rejection
9	Fluency DB Name: [ Q09 ]	○ 0 - No ○ 1 - Yes

English as first language DB Name: [ Q10 ]	○ 0 - No ○ 1 - Yes	
Vision DB Name: [ Q11 ]	○ 0 - Normal ○ 1 - Impaired	
If impaired, specify aides (Check all that apply)	Q12M1 - Glasses Q12M2 - Bifocals Q12M98 - Other	
Specify other vision aides DB Name: [ Q12D ]	(50 char.)	
Hearing DB Name: [ Q13 ]	○ 0 - Normal ○ 1 - Impaired	
If impaired, specify aides	☐ Q14M1 - Left ☐ Q14M2 - Right ☐ Q14M98 - Other	
Specify other hearing aides DB Name: [ Q14D ]	(50 char.)	
Ambulation DB Name: [ Q15 ]	○ 0 - Normal ○ 1 - Impaired	
If impaired, specify DB Name: [ Q16 ]	1 - Slow 2 - With assistance	
If with assistance, specify type (Check all that apply)	Q17M1 - Cane-single footed Q17M2 - Cane 4-footed Q17M3 - Walker Q17M4 - Wheelchair Q17M5 - Transfer	
Hand tremors DB Name: [ Q18 ]	○ 0 - No ○ 1 - Yes	
If yes, specify arm	☐ Q19M1 - Left ☐ Q19M2 - Right	
Type DB Name: [ Q20 ]	1 - Rest 2 - Intent	
Test (For clinic visits only)		
Test A: Time: Minutes DB Name: [ Q21E ]	minutes	
Test A: Time: Seconds DB Name: [ Q21F ]	seconds	
Test A: Errors DB Name: [ Q21B ] SAS Name: [ TRAILSA_ERR ]		
Test A: Standard Score: rating DB Name: [ Q21C ] SAS Name: [ TRAILSA_RATING ]		
Test A: Standard Score DB Name: [ Q21D ] SAS Name: [ TRAILSA_SCORE ]		
Test B: Time: Minutes DB Name: [ Q22E ]	minutes	
Test B: Time: Seconds DB Name: [ Q22F ]	seconds	
Test B: Errors DB Name: [ Q22B ] SAS Name: [ TRAILSB_ERR ]		
	DB Name: [Q10]  Vision DB Name: [Q11]  If impaired, specify aides (Check all that apply)  Specify other vision aides DB Name: [Q12D]  Hearing DB Name: [Q13]  If impaired, specify aides  Specify other hearing aides DB Name: [Q14D]  Ambulation DB Name: [Q15]  If impaired, specify DB Name: [Q16]  If with assistance, specify type (Check all that apply)  If yes, specify arm  Type DB Name: [Q20]  If yes, specify arm  Type DB Name: [Q21E]  Test A: Time: Minutes DB Name: [Q21E]  Test A: Time: Seconds DB Name: [Q21F]  Test A: Tanc: Seconds DB Name: [Q21B]  SAS Name: [TRAILSA_ERR]  Test A: Standard Score: rating DB Name: [Q21B]  SAS Name: [TRAILSA_ERR]  Test A: Standard Score: rating DB Name: [Q21D] SAS Name: [TRAILSA_RATING]  Test A: Standard Score DB Name: [Q21D] SAS Name: [TRAILSA_SCORE]  Test B: Time: Minutes DB Name: [Q22E]  Test B: Time: Seconds DB Name: [Q22E]  Test B: Time: Seconds DB Name: [Q22E]	DB Name: [Q110   Vision   DB Name: [Q111]

22c	Test B: Standard Score: rating DB Name: [ Q22C ] SAS Name: [ TRAILSB_RATING ]	○ 1 - Pos ○ 0 - Neg
22d	Test B: Standard Score DB Name: [ Q22D ] SAS Name: [ TRAILSB_SCORE ]	
С	Comments DB Name: [ zNotes ]	(250 char.)

# Annotated Form for CRF 23 [ RBANS Test ] Form ID: 98 DB Table Name: F23 DB View Name: vF23

No.	Item Description	Data Value		
A	Data Collected? DB Name: [ zDataCollected ]	○ 0 - No ○ 1 - Yes		
В	Date of assessment DB Name: [ zFormDate ] SAS Name: [ DateFormComp ]	(dd-mmm-yyyy) Complete		
1	RBANS test form version DB Name: [ Q01 ] SAS Name: [ RBANS_FORM ]	○ 1 - Form A ○ 2 - Form B		
lmn	nediate memory			
2	List learning total score DB Name: [ Q02 ] SAS Name: [ IM_LIST_TOT ]			
3	Story memory total score DB Name: [ Q03 ] SAS Name: [ IM_STORY_TOT ]			
4	Index score DB Name: [ Q04 ] SAS Name: [ IM_INDEX ]			
Visu	uospatial/constructional			
5	Figure copy total score DB Name: [ Q05 ] SAS Name: [ VC_FIGURE_TOT ]			
6	Line orientation total score DB Name: [ Q06 ] SAS Name: [ VC_LINE_TOT ]			
7	Index score DB Name: [ Q07 ] SAS Name: [ VC_INDEX ]			
Lan	guage			
8	Picture naming total score DB Name: [ Q08 ] SAS Name: [ LA_PIC_TOT ]			
9	Semantic fluency total score DB Name: [ Q09 ] SAS Name: [ LA_SEM_TOT ]			
10	Index score DB Name: [ Q10 ] SAS Name: [ LA_INDEX ]			
Atte	ention			
11	Digit span total score DB Name: [ Q11 ] SAS Name: [ AT_DIGIT_TOT ]			
12	Coding total score DB Name: [ Q12 ] SAS Name: [ AT_CODING_TOT ]			
13	Index score DB Name: [ Q13 ] SAS Name: [ AT_INDEX ]			
Dela	Delayed memory			
14	List recall total score DB Name: [ Q14 ] SAS Name: [ DM_LISTRCL_TOT ]			
$\vdash$				

15	List recognition total score DB Name: [ Q15 ] SAS Name: [ DM_LISTRCG_TOT ]				
16	Story recall total score DB Name: [ Q16 ] SAS Name: [ DM_STORYRCL_TOT ]				
17	Figure recall total score DB Name: [ Q17 ] SAS Name: [ DM_FIGURERCL_TOT ]				
18	Total score DB Name: [ Q18 ] SAS Name: [ DM_TOT ]				
19	Index score DB Name: [ Q19 ] SAS Name: [ DM_INDEX ]				
Sun	Sum				
20	Sum of index Sum = Q4+Q7+Q10+Q13+Q19 DB Name: [ Q20 ] SAS Name: [ INDEX_TOT ]				
21	Total scale score DB Name: [ Q21 ] SAS Name: [ SCALE_TOT ]				
С	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	(250 char.)			

### Annotated Form for CRF 24 [ SF-36 Health Survey ] Form ID: 29 DB Table Name: F24

No.	Item Description	Data Value
A	Data Collected? DB Name: [ zDataCollected ]	○ 0 - No ○ 1 - Yes
В	Date of assessment DB Name: [ zFormDate ]	(dd-mmm-yyyy) Complete
С	Completion method DB Name: [ QC ] SAS Name: [ METHOD ]	◯ 1 - Completed in person ◯ 2 - Completed at home ◯ 3 - Completed via phone
1	In general, would you say your health is DB Name: [ Q01 ] SAS Name: [ SF36_1 ]	
2	Compared to one year ago, how would you rate your health in general <u>now?</u> DB Name: [ Q02 ] SAS Name: [ SF36_2 ]	1 - (1) Much better now than one year ago 2 - (2) Somewhat better now than one year ago 3 - (3) About the same as one year ago 4 - (4) Somewhat worse now than one year ago 5 - (5) Much worse now than one year ago
3. Th		ies you might do during a typical day. Does <u>your health now limit you</u> in these activities? If so, how
3a	Vigorous activities, such as running, lifting heavy objects, participating in strenuous sports: DB Name: [ Q03A ] SAS Name: [ SF36_3A ]	○ 1 - (1) Yes, limited a lot ○ 2 - (2) Yes, limited a little ○ 3 - (3) No, not limited at all
3b	Moderate activities, such as moving a table, pushing a vacuum cleaner, bowling or playing golf: DB Name: [ Q03B ] SAS Name: [ SF36_3B ]	1 - (1) Yes, limited a lot 2 - (2) Yes, limited a little 3 - (3) No, not limited at all
3c	Lifting or carrying groceries: DB Name: [ Q03C ] SAS Name: [ SF36_3C ]	1 - (1) Yes, limited a lot 2 - (2) Yes, limited a little 3 - (3) No, not limited at all
3d	Climbing <b>several</b> flights of stairs: DB Name: [ Q03D ] SAS Name: [ SF36_3D ]	1 - (1) Yes, limited a lot 2 - (2) Yes, limited a little 3 - (3) No, not limited at all
3e	Climbing <b>one</b> flight of stairs: DB Name: [ Q03E ] SAS Name: [ SF36_3E ]	1 - (1) Yes, limited a lot 2 - (2) Yes, limited a little 3 - (3) No, not limited at all
3f	Bending, kneeling, or stooping: DB Name: [ Q03F ] SAS Name: [ SF36_3F ]	1 - (1) Yes, limited a lot 2 - (2) Yes, limited a little 3 - (3) No, not limited at all
3g	Walking more than one mile: DB Name: [ Q03G ] SAS Name: [ SF36_3G ]	1 - (1) Yes, limited a lot 2 - (2) Yes, limited a little 3 - (3) No, not limited at all
3h	Walking <b>several</b> blocks: DB Name: [ Q03H ] SAS Name: [ SF36_3H ]	1 - (1) Yes, limited a lot 2 - (2) Yes, limited a little 3 - (3) No, not limited at all
3i	Walking <b>one</b> block: DB Name: [ Q03I ] SAS Name: [ SF36_3I ]	1 - (1) Yes, limited a lot 2 - (2) Yes, limited a little 3 - (3) No, not limited at all
3j	Bathing or dressing yourself: DB Name: [ Q03J ] SAS Name: [ SF36_3J ]	1 - (1) Yes, limited a lot 2 - (2) Yes, limited a little 3 - (3) No, not limited at all

4. During the **past 4 weeks**, have you had any of the following problems with your work or other regular daily activities <u>as a result of your physical health?</u>

4a	Cut down on the <b>amount of time</b> you spent on work or other activities DB Name: [ Q04A ] SAS Name: [ SF36_4A ]	○ 1 - (1) Yes ○ 2 - (2) No
4b	Accomplished less than you would like DB Name: [ Q04B ] SAS Name: [ SF36_4B ]	○ 1 - (1) Yes ○ 2 - (2) No
4c	Were limited in the kind of work or other activities DB Name: [ Q04C ] SAS Name: [ SF36_4C ]	○ 1 - (1) Yes ○ 2 - (2) No
4d	Had <b>difficulty</b> performing the work or other activities (for example, it took extra effort) DB Name: [ Q04D ] SAS Name: [ SF36_4D ]	○ 1 - (1) Yes ○ 2 - (2) No
	uring the <b>past 4 weeks</b> , have you <u>tional problems</u> (such as feeling de	had any of the following problems with your work or other regular daily activities <u>as a result of any</u> epressed or anxious)?
5a	Cut down on the amount of time you spent on work or other activities DB Name: [ Q05A ] SAS Name: [ SF36_5A ]	○ 1 - (1) Yes ○ 2 - (2) No
5b	Accomplished less than you would like DB Name: [ Q05B ] SAS Name: [ SF36_5B ]	○ 1 - (1) Yes ○ 2 - (2) No
5c	Didn't do work or other activities as carefully as usual DB Name: [ Q05C ] SAS Name: [ SF36_5C ]	○ 1 - (1) Yes ○ 2 - (2) No
6	Durint the <b>past 4 weeks</b> , to what extent has your physical health or emotional problems interfered with your normal social activities with family, friends, neighbors, or groups?  DB Name: [ Q06 ]  SAS Name: [ SF36_6 ]	1 - (1) Not at all 3 - (3) Moderately 5 - (5) Extremely 2 - (2) Slightly 4 - (4) Quite a bit
7	How much bodily pain have you had during the <b>past 4</b> weeks? DB Name: [ Q07 ] SAS Name: [ SF36_7 ]	1 - (1) None 3 - (3) Mild 5 - (5) Severe 2 - (2) Very mild 4 - (4) Moderate 6 - (6) Very severe
8	During the <b>past 4 weeks</b> , how much did pain interfere with your normal work (including both work outside the home and housework)? DB Name: [ Q08 ] SAS Name: [ SF36_8 ]	<ul> <li>1 - (1) Not at all</li> <li>2 - (2) Slightly</li> <li>3 - (3) Moderately</li> <li>5 - (5) Extremely</li> <li>4 - (4) Quite a bit</li> </ul>
		feel and how things have been with you during the <b>past 4 weeks</b> . For each question, please give he way you have been feeling. How much of the time during the past 4 weeks
9a	Did you feel full of pep? DB Name: [ Q09A ] SAS Name: [ SF36_9A ]	1 - (1) All of the time 2 - (2) Most of the time 5 - (5) A little of the time 6 - (6) None of the time
9b	Have you been a very nervous	

	person? DB Name: [ Q09B ] SAS Name: [ SF36_9B ]	1 - (1) All of the time 2 - (2) Most of the time 5 - (5) A little of the time 6 - (6) None of the time	3 - (3) A good bit of the 4 - (4) Some of the time	
9c	Have you felt so down in the dumps nothing could cheer you up? DB Name: [ Q09C ] SAS Name: [ SF36_9C ]	1 - (1) All of the time 2 - (2) Most of the time 5 - (5) A little of the time 6 - (6) None of the time	3 - (3) A good bit of the 4 - (4) Some of the time	
9d	Have you felt calm and peaceful? DB Name: [ Q09D ] SAS Name: [ SF36_9D ]	1 - (1) All of the time 2 - (2) Most of the time 5 - (5) A little of the time 6 - (6) None of the time	3 - (3) A good bit of the 4 - (4) Some of the time	
9e	Did you have a lot of energy? DB Name: [ Q09E ] SAS Name: [ SF36_9E ]	1 - (1) All of the time 2 - (2) Most of the time 5 - (5) A little of the time 6 - (6) None of the time	3 - (3) A good bit of the 4 - (4) Some of the time	
9f	Have you felt downhearted and blue?  DB Name: [ Q09F ]  SAS Name: [ SF36_9F ]	1 - (1) All of the time 2 - (2) Most of the time 5 - (5) A little of the time 6 - (6) None of the time	3 - (3) A good bit of the 4 - (4) Some of the time	
9g	Did you feel worn out? DB Name: [ Q09G ] SAS Name: [ SF36_9G ]	1 - (1) All of the time 2 - (2) Most of the time 5 - (5) A little of the time 6 - (6) None of the time	3 - (3) A good bit of the 4 - (4) Some of the time	
9h	Have you been a happy person? DB Name: [ Q09H ] SAS Name: [ SF36_9H ]	1 - (1) All of the time 2 - (2) Most of the time 5 - (5) A little of the time 6 - (6) None of the time	3 - (3) A good bit of the 4 - (4) Some of the time	
9i	Did you feel tired? DB Name: [ Q09I ] SAS Name: [ SF36_9I ]	1 - (1) All of the time 2 - (2) Most of the time 5 - (5) A little of the time 6 - (6) None of the time	3 - (3) A good bit of the 4 - (4) Some of the time	
10	During the past 4 weeks, how much of the time has your physical health or emotional problems interfered with your social activities (like visiting friends, relatives, etc.)? DB Name: [Q10] SAS Name: [SF36_10]	1 - (1) All of the time 2 - (2) Most of the time	3 - (3) Some of the time	
11. H	low TRUE or FALSE is each of the	e following statements for you?		
11a	I seem to get sick a little easier than other people DB Name: [ Q11A ] SAS Name: [ SF36_11A ]	1 - (1) Definitely true 2 - (2) Mostly true	3 - (3) Don't know 4 - (4) Mostly false	5 - (5) Definitely false
11b	I am as healthy as anybody I know DB Name: [ Q11B ] SAS Name: [ SF36_11B ]	1 - (1) Definitely true 2 - (2) Mostly true	3 - (3) Don't know 4 - (4) Mostly false	∫ 5 - (5) Definitely false
11c	I expect my health to get worse DB Name: [ Q11C ] SAS Name: [ SF36_11C ]	1 - (1) Definitely true 2 - (2) Mostly true	3 - (3) Don't know 4 - (4) Mostly false	5 - (5) Definitely false
11d	My health is excellent DB Name: [ Q11D ] SAS Name: [ SF36_11D ]	1 - (1) Definitely true 2 - (2) Mostly true	3 - (3) Don't know 4 - (4) Mostly false	5 - (5) Definitely false
D	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]			//

(250 char.)

### Annotated Form for CRF 25 [ CDC HRQOL-14 ] Form ID: 76 DB Table Name: F25

No.	Item Description	Data Value
A	Data Collected? DB Name: [ zDataCollected ]	○ 0 - No ○ 1 - Yes
В	Date of assessment DB Name: [ zFormDate ]	(dd-mmm-yyyy) Complete
1	Completion method DB Name: [ Q01 ] SAS Name: [ METHOD	1 - Completed in person 2 - Completed at home 3 - Completed via phone
2	Would you say that in general your health is: DB Name: [ Q02 ] SAS Name: [ QOL_2 ]	1 - (1) Excellent 2 - (2) Very good 3 - (3) Good 4 - (4) Fair 5 - (5) Poor
3	Now thinking about your physical health, which includes physical illness and injury, for how many days during the past 30 days was your physical health not good? (If none, enter zero)  DB Name: [ Q03 ]  SAS Name: [ QOL_3 ]	days
4	Now thinking about your mental health, which includes stress, depression, and problems with emotions, for how many days during the past 30 days was your mental health not good? (If none, enter zero) DB Name: [ Q04 ] SAS Name: [ QOL_4 ]	days
5	During the past 30 days, for about how many days did poor physical or mental health keep you from doing your usual activities, such as selfcare, work, or recreation?  (If none, enter zero) DB Name: [ Q05 ] SAS Name: [ QOL_5 ]	days
6	Are you LIMITED in any way in any activities because of any impairment or health problem? (If no, skip to question 11) DB Name: [ Q06 ] SAS Name: [ QOL_6 ]	○ 1 - (1) Yes ○ 2 - (2) No
7	What is the MAJOR impairment or health problem that limits your	(200 char.)

	activities? DB Name: [ Q07 ] SAS Name: [ Q0L_7 ]	
8	For HOW LONG have your activities been limited because of your major impairment or health problem? Please give the length of time, for example:6 months, or 3 ½ years, or 2 weeks, etc.  DB Name: [ Q08 ]  SAS Name: [ QOL_8 ]	(15 char.)
9	Because of any impairment or health problem, do you need the help of other persons with your PERSONAL CARE needs, such as eating, bathing, dressing, or getting around the house?  DB Name: [ Q09 ] SAS Name: [ QOL_9 ]	○ 1 - (1) Yes ○ 2 - (2) No
10	Because of any impairment or health problem, do you need the help of other persons in handling your ROUTINE needs, such as everyday household chores, doing necessary business, shopping, or getting around for other purposes?  DB Name: [Q10] SAS Name: [QOL_10]	○ 1 - (1) Yes ○ 2 - (2) No
11	During the past 30 days, for about how many days did PAIN make it hard for you to do your usual activities, such as self-care, work, or recreation? (If none, enter zero) DB Name: [Q11] SAS Name: [QOL_11]	days
12	During the past 30 days, for about how many days have you felt SAD, BLUE, or DEPRESSED? (If none, enter zero) DB Name: [ Q12 ] SAS Name: [ QOL_12 ]	days
13	During the past 30 days, for about how many days have you felt WORRIED, TENSE, or ANXIOUS? (If none, enter zero) DB Name: [ Q13 ] SAS Name: [ QOL_13 ]	days
		1

14	During the past 30 days, for about how many days have you felt you did NOT get ENOUGH REST OR SLEEP?  (If none, enter zero) DB Name: [ Q14 ] SAS Name: [ QOL_14 ]	days
15	During the past 30 days, for about how many days have you felt VERY HEALTHY AND FULL OF ENERGY? (If none, enter zero) DB Name: [ Q15 ] SAS Name: [ QOL_15 ]	days
D	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	char.) (250

## Annotated Form for CRF 26 [ End of Study ] Form ID: 44 DB Table Name: F26 DB View Name: vF26

No.	Item Description	Data Value
3	End of study status: DB Name: [ Q03 ]	4 - Completed study 1 - Consent withdrawn 2 - Lost to follow up 3 - Death 98 - Other
	Date of end of study  For subjects who withdraw	
1	consent, enter date of withdrawal of consent. For subjects who die, enter date of death. DB Name: [ Q01 ]	(dd-mmm-yyyy) Complete
4	Specify details regarding early termination DB Name: [ Q04 ]	(250 char.)
10	Date last known to be alive DB Name: [ Q10 ]	(dd-mmm-yyyy) Complete
5	Was an autopsy performed? DB Name: [ Q05 ]	○ 0 - No ○ 1 - Yes ○ 99 - Unknown
7	Primary cause of death DB Name: [ Q07 ]	(250 char.)
6	Category of primary cause of death (Check all that apply)	Q06M1 - Liver related Q06M2 - Infection/sepsis Q06M3 - Cardiac Q06M4 - Neurological (cerebral edema, cerebral vascular accident) Q06M5 - Multi-organ failure Q06M6 - Intraoperative Q06M7 - Cancer Q06M98 - Other Q06M99 - Unknown
		he accuracy of the information reflected in all of the case report forms for this study participant. mplete the section below after this review and affirmation is complete.
8	Last name of reviewing principal investigator: DB Name: [ Q08 ]	(15 char.)
9	Date of PI review and affirmation: DB Name: [ Q09 ]	(dd-mmm-yyyy) Complete
С	Comments DB Name: [ zNotes ]	(250 char.)

## Annotated Form for CRF 27 [ Glasgow Coma Scale ] Form ID: 97 DB Table Name: F27 DB View Name: vF27

No.	Item Description	Data Value
A	Data Collected? DB Name: [ zDataCollected ]	○ 0 - No ○ 1 - Yes
В	Date of assessment DB Name: [ zFormDate ]	(dd-mmm-yyyy) Complete
1	Was the subject intubated at the time of assessment?  DB Name: [ Q01 ]	○ 0 - No ○ 1 - Yes
2	Was the subject paralyzed at the time of assessment?  DB Name: [ Q02 ]	○ 0 - No ○ 1 - Yes
3	Was the subject sedated at the time of assessment?  DB Name: [ Q03 ]	○ 0 - No ○ 1 - Yes
4	Coma grade (best estimate) DB Name: [ Q04 ]	0 - 0 (no coma) 1 - I 2 - II 3 - III 4 - IV
5	Eye opening DB Name: [ Q05 ]	<ul> <li>4 - Spontaneous (4)</li> <li>3 - To voice (3)</li> <li>2 - To pain (2)</li> <li>1 - None (1)</li> </ul>
6	Verbal Response DB Name: [ Q06 ]	5 - Oriented (5) 4 - Confused (4) 3 - Inappropriate words (3) 2 - Incomprehensible sounds (2) 1 - None (1)
7	Motor response DB Name: [ Q07 ]	6 - Obeys commands (6) 5 - Localizes pain (5) 4 - Withdraw (pain) (4) 3 - Flexion (pain) (3) 2 - Extension (pain) (2) 1 - None (1)
С	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	(250 char.)

### Annotated Form for CRF 28 [ Outcome Lab Data ] Form ID: 109 DB Table Name: F28

No.	Item Description	Data Value
A	Data Collected? DB Name: [ zDataCollected ]	○ 0 - No ○ 1 - Yes
	subjects who discharge, die, or tran the Outcome visit, please check 'd	
At	•	e lab data collected prior to discharge, death or transplant, whichever comes first.
At S		ıld be completed if new information is available.
1	Last lab date DB Name: [ Q01 ]	(dd-mmm-yyyy) Complete
2	Hemoglobin DB Name: [ Q02 ]	g/dL
4	WBC DB Name: [ Q04 ]	X1000/mm <sup>3</sup>
9	Platelet count DB Name: [ Q09 ]	X1000/mm <sup>3</sup>
10	Prothrombin time DB Name: [ Q10 ]	seconds
13	INR DB Name: [ Q13 ]	
14	ALT DB Name: [ Q14 ]	IU/L
15	AST DB Name: [ Q15 ]	IU/L
16	Alk phosph DB Name: [ Q16 ]	IU/L
17	Albumin DB Name: [ Q17 ]	gm/dL
19	Total Bilirubin DB Name: [ Q19 ]	mg/dL
24	Creatinine DB Name: [ Q24 ]	mg/dL
25	Weight DB Name: [ Q25 ]	kg
С	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	(250 char.)

# Annotated Form for CRF 29 [ Serological Exam ] Form ID: 110 DB Table Name: F29

No.	Item Description	Data Value
A	Data Collected? DB Name: [ zDataCollected ]	○ 0 - No ○ 1 - Yes
В	Date of assessment DB Name: [ zFormDate ]	(dd-mmm-yyyy) Complete
Serol	ogical Parameters	
1	Anti-HAV (IgM) DB Name: [ Q01 ]	1 - Positive 2 - Negative 3 - Not done
2	HBsAg DB Name: [ Q02 ]	1 - Positive 2 - Negative 3 - Not done
3	Anti-HBc DB Name: [ Q03 ]	1 - Positive 2 - Negative 3 - Not done
4	Anti-HBc (IgM) DB Name: [ Q04 ]	1 - Positive 2 - Negative 3 - Not done
5	HBeAg DB Name: [ Q05 ]	1 - Positive 2 - Negative 3 - Not done
6	Anti-HBs DB Name: [ Q06 ]	1 - Positive 2 - Negative 3 - Not done
7	HBV-DNA DB Name: [ Q07 ]	1 - Positive 2 - Negative 3 - Not done
8	If HBV-DNA is positive, specify value DB Name: [ Q08 ]	IU/mL
9	Anti-HDV DB Name: [ Q09 ]	1 - Positive 2 - Negative 3 - Not done
10	Anti-HCV DB Name: [ Q10 ]	1 - Positive 2 - Negative 3 - Not done
11	HCV-RNA DB Name: [ Q11 ]	1 - Positive 2 - Negative 3 - Not done
12	If HCV-RNA is positive, specify value DB Name: [ Q12 ]	IU/mL
13	Anti-HEV DB Name: [ Q13 ]	1 - Positive 2 - Negative 3 - Not done
14	Anti-HIV DB Name: [ Q14 ]	1 - Positive 2 - Negative 3 - Not done
15	ß-hCG DB Name: [ Q15 ]	1 - Positive 2 - Negative 3 - Not done
Misce	ellaneous	
16a	Anti-smooth muscle antibodies (ASMA)-ratio 1: DB Name: [ Q16A ]	
16b	or Anti-smooth muscle antibodies (ASMA) <b>-decimal</b> DB Name: [ Q16B ]	
16c	Anti-smooth muscle antibodies (ASMA) state DB Name: [ Q16C ]	1 - Negative 2 - Not done
17a	Antinuclear antibodies (ANA) - ratio 1: DB Name: [ Q17A ]	
17b	or Antinuclear antibodies (ANA) <b>-decimal</b> DB Name: [ Q17B ]	

17c	Antinuclear antibodies (ANA) state DB Name: [ Q17C ]	1 - Negative 2 - Not done	
18a	Antimitochondrial antibodies (AMA) <b>-ratio 1:</b> DB Name: [ Q18A ]		
18b	or Antimitochondrial antibodies (AMA) <b>-decimal</b> DB Name: [ Q18B ]		
18c	Antimitochondrial antibodies (AMA) state DB Name: [ Q18C ]	1 - Negative 2 - Not done	
19a	Anti-liver/kidney microsome (LKM) <b>-ratio 1:</b> DB Name: [ Q19A ]		
19b	or Anti-liver/kidney microsome (LKM) <b>-decimal</b> DB Name: [ Q19B ]		
19c	Anti-liver/kidney microsome (LKM) state DB Name: [ Q19C ]	1 - Negative 2 - Not done	
20	Serum Copper DB Name: [ Q20 ]	μg/ml	
21	Urine Copper DB Name: [ Q21 ]	μg/24 hr	
22	Ceruloplasmin DB Name: [ Q22 ]	mg/dL	
23	Slit-lamp exam (KF rings) DB Name: [ Q23 ]	1 - Positive 2 - Negative 3 - Inconclusive 4 - Not done	
С	Comments DB Name: [ zNotes ]	(250 char.)	//

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### Annotated Form for CRF 31 [ LTFU 3 months ] Form ID: 112 DB Table Name: F31

No.	Item Description	Data Value
а	Data Collected? DB Name: [ zDataCollected]	○ 0 - No ○ 1 - Yes
1	Was the subject transplanted? DB Name: [ Q01 ]	○ 0 - No ○ 1 - Yes ○ 99 - Unknown
2	Subject hospitalized since last visit? DB Name: [ Q02 ]	○ 0 - No ○ 1 - Yes
3	If yes, hospital admission date closest to ALF discharge. (If more than one hospitalization, then please explain in General Comments) DB Name: [ Q03 ]	(dd-mmm-yyyy) Complete
4	Reason for hospitalization. DB Name: [ Q04 ]	(200 char.)
O	Comments DB Name: [ zNotes ]	char.) (250

## Annotated Form for CRF 32 [ Acute Rejection ] Form ID: 113 DB Table Name: F32

No.	Item Description	Data Value
1	Date of acute rejection DB Name: [ Q01 ]	(dd-mmm-yyyy) Complete
2	Liver Bx DB Name: [ Q02 ]	○ 0 - No ○ 1 - Yes
3	Steroid pulse DB Name: [ Q03 ]	○ 0 - No ○ 1 - Yes
4	Antilymphocyte antibodies DB Name: [ Q04 ]	○ 0 - No ○ 1 - Yes
5	If yes, specify antilymphocyte antibodies DB Name: [ Q05 ]	
6	If other, specify DB Name: [ Q06 ]	(30 char.)
В	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	(250 char.)

# Annotated Form for CRF 33 [ STFU Outcome ] Form ID: 115 DB Table Name: F33

No.	Item Description	Data Value		
A	Data Collected? DB Name: [ zDataCollected]	○ 0 - No ○ 1 - Yes		
В	Date of assessment DB Name: [ zFormDate ]	(dd-mmm-yyyy) Complete		
1	Narrative summary/Interval history DB Name: [ Q01 ]	char.)		
2	Patient seen for this study visit? DB Name: [ Q02 ]	○ 0 - No ○ 1 - Yes		
3	Alive? DB Name: [ Q03 ]	○ 0 - No ○ 1 - Yes		
4	Discharged since last assessment DB Name: [ Q04 ]	○ 0 - No ○ 1 - Yes		
5	if Yes, date of discharge DB Name: [ Q05 ]	(dd-mmm-yyyy) Complete		
6	Subject transplanted since last visit? DB Name: [ Q06 ]	○ 0 - No ○ 1 - Yes ○ 99 - Unknown		
7	Subject hospitalized since last visit? DB Name: [ Q07 ]	○ 0 - No ○ 1 - Yes		
8	If yes, hospital admission date closest to ALI discharge. (If more than one hospitalization, then please explain in General Comments).  DB Name: [ Q08 ]	(dd-mmm-yyyy) Complete		
9	Reason for hospitalization DB Name: [ Q09 ]	(200 char.)		
10	Patient Status (as of the date of this form completion) DB Name: [ Q10 ]	<ul> <li>1 - Improved -follow up at month 3</li> <li>2 - Not improved -return for next short term follow up visit (Does not apply at week 12 weeks STFU)</li> <li>3 - Met ALF Criteria and moved to ALF protocol</li> </ul>		
11	Has the diagnosis changed since last assessment? DB Name: [ Q11 ]	○ 0 - No ○ 1 - Yes		
12	If yes, what is diagnosis changed to? DB Name: [ Q12 ]	1 - 1. Acetaminophen 9 - 9. Hepatitis E 10 - 10. Mushroom intoxication 11 - 11. Shock/ischemia 12 - 12. Wilson's disease 5 - 5. DILI 13 - 13. Indeterminate 6 - 6. Hepatitis A 14 - 14. Other viruses 7 - 7. Hepatitis B (+/- delta) 8 - 8. Hepatitis C		

13	List DILI agent if applicable DB Name: [ Q13 ]	(100 char.)
14	Specify other viruses if applicable DB Name: [ Q14 ]	(100 char.)
15	Specify other diagnosis if applicable DB Name: [ Q15 ]	(100 char.)
16	Last name of reviewing principal investigator:  DB Name: [ Q16 ]	(15 char.)
17	Date of PI review and affirmation: DB Name: [ Q17 ]	(dd-mmm-yyyy) Complete
С	Comments DB Name: [ zNotes ]	(200 char.)

### Annotated Form for CRF 34 [ 21 Day Status ] Form ID: 147 DB Table Name: F34

No.	Item Description	Data Value
Α	Date of assessment DB Name: [ zFormDate ]	(dd-mmm-yyyy) Complete
1	At 21 days post ALI or ALF admission (whichever comes first), what is the vital status of the subject? DB Name: [ Q01 ]	1 - Alive 2 - Dead 99 - Unknown
В	Comments DB Name: [ zNotes ]	(250 char.)

# Annotated Form for CRF 37 [ ALF-MBT Admission ] Form ID: 155 DB Table Name: F37 DB View Name: vF37

No.	Item Description	Data Value
55	Protocol under which this subject was enrolled DB Name: [ Q55 ]	2 - ALFSG-MBT version 2 3 - ALFSG-MBT version 3 or higher
		MBT Inclusion Criteria
1	Is the subject 18 to 70 years of age? DB Name: [ Q01 ]	○ 0 - No ○ 1 - Yes
56	Is the subject 18 to 80 years of age? DB Name: [ Q56 ]	○ 0 - No ○ 1 - Yes
		MBT Exclusion Criteria
2	Pre-existing New York Heart Association stage III / IV heart failure? DB Name: [ Q02 ]	○ 0 - No ○ 1 - Yes
3	Evidence of pre-existing chronic renal failure requiring hemodialysis? DB Name: [ Q03 ]	○ 0 - No ○ 1 - Yes
4	Chronic hemodialysis prior to hospital admission? DB Name: [ Q04 ]	○ 0 - No ○ 1 - Yes
5	Severe obstructive lung disease (FEV <sub>1</sub> <50% of predicted on previous spirometry)? DB Name: [ Q05 ]	○ 0 - No ○ 1 - Yes
6	Severe shock, defined as MAP <70 mmHg despite >15 µg/kg/min dopamine, >0.1 µg/kg/min epinephrine, or >0.1 norepinephrine µg/kg/min? DB Name: [ Q06 ]	○ 0 - No ○ 1 - Yes
7	Extensive small bowel resection (>50 cm)? DB Name: [ Q07 ]	○ 0 - No ○ 1 - Yes
8	Any evidence of upper GI bleeding at MBT study enrollment? DB Name: [ Q08 ]	○ 0 - No ○ 1 - Yes
57	Any evidence of upper GI bleeding at study enrollment requiring intervention Endoscopy or RBC transfusion specifically for upper GI bleeding DB Name: [ Q57 ]	○ 0 - No ○ 1 - Yes
9	Liver transplantation prior to MBT study enrollment? (Listing for LT does not preclude participation in the trial.) DB Name: [ Q09 ]	○ 0 - No ○ 1 - Yes
10	Pregnancy or breastfeeding woman? (Pregnancy related non-APAP ALI or ALF may be considered for entry following the delivery of the baby and assuming the mother does not wish to breastfeed or collect breast milk	○ 0 - No ○ 1 - Yes

	during the study period.) DB Name: [ Q10 ]		
11	Allergic to acetaminophen (such as Tylenol® or any other acetaminophen-containing medications)? DB Name: [ Q11 ]	○ 0 - No	○ 1 - Yes
12	Participation in other clinical studies evaluating other experimental treatments or procedures? (Participation in observatory studies is not an exclusion.) DB Name: [ Q12 ]	○ 0 - No	○ 1 - Yes
13	Patient in whom enteral drugs or fluids are contra-indicated?  DB Name: [ Q13 ]	○ 0 - No	○ 1 - Yes
14	The patient either does not have an appropriately placed naso/orogastric tube in situ or cannot tolerate taking the drug preparation orally (200 ml)? DB Name: [ Q14 ]	○ 0 - No	○ 1 - Yes
15	Budd-Chiari Syndrome? DB Name: [ Q15 ]	○ 0 - No	○ 1 - Yes
16	Non-APAP ALI or ALF caused by malignancy? DB Name: [ Q16 ]	○ 0 - No	○ 1 - Yes
17	ALF caused by known or suspected herpes simplex virus requiring acyclovir therapy? DB Name: [ Q17 ]	○ 0 - No	○ 1 - Yes
18	Moderate or severe ARDS, as defined by Berlin Criteria? DB Name: [ Q18 ]	○ 0 - No	○ 1 - Yes
19	Subject received amiodarone or an HMG-CoA reductase inhibitor (Statin) in the 30 days prior to MBT study enrollment? DB Name: [ Q19 ]	○ 0 - No	○ 1 - Yes
58	Subject received amiodarone in the 30 days prior to MBT study enrollment DB Name: [ Q58 ]	○ 0 - No	○ 1 - Yes
59	APAP ALI DB Name: [ Q59 ]	○ 0 - No	○ 1 - Yes
20	Consumption of any food or beverage that contains caffeine in the 24 hours prior to MBT study enrollment? DB Name: [ Q20 ]	○ 0 - No	○ 1 - Yes
21	Consumption of alcohol in the 24 hours prior to MBT study enrollment?  DB Name: [ Q21 ]	○ 0 - No	○ 1 - Yes
22	Smoking cigarettes in the 8 hours prior to MBT study enrollment? DB Name: [ Q22 ]	○ 0 - No	○ 1 - Yes
Co	onsumption of any of the following o	Irugs that may	y interfere with the metabolism of <sup>13</sup> C-Methacetin in the 48 hours prior to MBT study enrollment

23	Acyclovir (Zovirax) Consumption of this drug is not an exclusion criteria under protocol version 3 or higher DB Name: [ Q23 ]	○ 0 - No	1 - Yes	
24	Allopurinol (Zyloprim, Aloprim) DB Name: [ Q24 ]	○ 0 - No	_ 1 - Yes	
25	Carbamazepine (Tegretol, Tegretol XR , Equetro, Carbatrol, Epitol, Teril) DB Name: [ Q25 ]	○ 0 - No	○ 1 - Yes	
26	Cimetidine (Tagamet) DB Name: [ Q26 ]	○ 0 - No	_ 1 - Yes	
27	Ciprofloxacin (Cipro, Cipro XR, Proquin XR) DB Name: [ Q27 ]	○ 0 - No	_ 1 - Yes	
28	Daidzein (Isoflavone) DB Name: [ Q28 ]	○ 0 - No	_ 1 - Yes	
29	Disulfiram (Antabuse, Antabus) DB Name: [ Q29 ]	○ 0 - No	_ 1 - Yes	
30	Echinacea (Echinacea purpurea, Echinacea angustifolia) DB Name: [ Q30 ]	○ 0 - No	○ 1 - Yes	
31	Eenoxacin (Penetrex) DB Name: [ Q31 ]	○ 0 - No	_ 1 - Yes	
32	Famotidine (Pepcid) Consumption of this drug is not an exclusion criteria under protocol version 3 or higher DB Name: [ Q32 ]	○ 0 - No	1 - Yes	
33	Fluvoxamine (Luvox) DB Name: [ Q33 ]	0 - No	1 - Yes	
34	Methoxsalen (Uvadex) DB Name: [ Q34 ]	○ 0 - No	1 - Yes	
35	Mexilitene (Mexitil) DB Name: [ Q35 ]	○ 0 - No	_ 1 - Yes	
36	Montelukast (Singulair) DB Name: [ Q36 ]	○ 0 - No	_ 1 - Yes	
37	Norfloxacin (Noroxin) DB Name: [ Q37 ]	○ 0 - No	_ 1 - Yes	
38	Phenylpropanolamine (Proin) DB Name: [ Q38 ]	○ 0 - No	_ 1 - Yes	
39	Phenytoin (Dilantin) DB Name: [ Q39 ]	○ 0 - No	_ 1 - Yes	
40	Propafenone (Rythmol)	0 - No	_ 1 - Yes	

	DB Name: [ Q40 ]	
41	Rifampin (Rifadin) DB Name: [ Q41 ]	○ 0 - No ○ 1 - Yes
42	Terbinafine (Lamisil) DB Name: [ Q42 ]	○ 0 - No ○ 1 - Yes
43	Ticlodipine (Ticlid) DB Name: [ Q43 ]	○ 0 - No ○ 1 - Yes
44	Thiabendazole (Mintezol) DB Name: [ Q44 ]	○ 0 - No ○ 1 - Yes
45	Verapamil (Calan, Isoptin) DB Name: [ Q45 ]	○ 0 - No ○ 1 - Yes
46	Zileuton (Zyflo) DB Name: [ Q46 ]	○ 0 - No ○ 1 - Yes
47	Oral contraceptives (Birth control pills) DB Name: [ Q47 ]	○ 0 - No ○ 1 - Yes
		MBT Study Admission
48	Does the subject have gastroparesis? DB Name: [ Q48 ]	○ 0 - No ○ 1 - Yes
49	Subject height DB Name: [ Q49 ]	
50	Height unit DB Name: [ Q50 ]	
51	Legally Authorized Representative (LAR) DB Name: [ Q51 ]	1 - Medical power of attorney 2 - Spouse 3 - Child 4 - Other
52	Specify LAR DB Name: [ Q52 ]	(250 char.)
53	Date of consent/admission to MBT study DB Name: [ Q53 ]	(dd-mmm-yyyy) Complete
54	Time of consent/admission to MBT study DB Name: [ Q54 ]	Complete Time (24hr)
С	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	(250 char.)

# Annotated Form for CRF 39 [ ALF-MBT Administration ] Form ID: 157 DB Table Name: F39 DB View Name: vF39

No.	Item Description	Data Value
а	Data Collected? DB Name: [ zDataCollected ]	○ 0 - No ○ 1 - Yes
1	MBT device number DB Name: [ Q01 ]	
2	MBT test number DB Name: [ Q02 ]	
		Prior to MBT Substrate Administration Study Day Specific ALF-MBT Administration Criteria
3	Is this the "Day 1" MBT test? DB Name: [ Q03 ]	○ 0 - No ○ 1 - Yes
68	Informed consent was obtained prior to initiating study procedures DB Name: [ Q68 ]	○ 0 - No ○ 1 - Yes
9	Subject has not smoked on the day of the breath test, prior to the test DB Name: [ Q09 ]	○ 0 - No ○ 1 - Yes
10	Subject has not consumed alcohol in the past 24 hours DB Name: [ Q10 ]	○ 0 - No ○ 1 - Yes
11	Subject has not consumed caffeine within 24 hours prior to test DB Name: [ Q11 ]	○ 0 - No ○ 1 - Yes
5	Subject has not ingested oral medications in the last 1 hour DB Name: [ Q05 ]	○ 0 - No ○ 1 - Yes
6	Subject has not received general anesthesia in the last 24 hours DB Name: [ Q06 ]	○ 0 - No ○ 1 - Yes
7	There is no suspicion that aspiration may occur DB Name: [ Q07 ]	○ 0 - No ○ 1 - Yes
8	Subject is not on concurrent use of vasopressors DB Name: [ Q08 ]	○ 0 - No ○ 1 - Yes
12	Has the subject ingested acetaminophen-related medications (e.g. Tylenol) within the past 24 hours?  DB Name: [ Q12 ]	○ 0 - No ○ 1 - Yes
13	Date of last acetaminophen ingestion DB Name: [ Q13 ]	(dd-mmm-yyyy) Complete
14	Time of last acetaminophen ingestion DB Name: [ Q14 ]	Complete Time (24hr)
15	Acetaminophen dose administered DB Name: [ Q15 ]	mg
16	Is the subject currently on N- acetyl cysteine (NAC)? DB Name: [ Q16 ]	○ 0 - No ○ 1 - Yes
17	Route of NAC ingestion DB Name: [ Q17 ]	1 - Oral 2 - Continuous IV

18	Date of last meal or tube feeding (must be at least 6 hours prior to MBT test for solid food or 4 hours prior to MBT test for tube feeding) DB Name: [ Q18 ]	(dd-mmm-yyyy) Complete
19	Time of last meal or tube feeding (must be at least 6 hours prior to MBT test for solid food or 4 hours prior to MBT test for tube feeding) DB Name: [ Q19 ]	Complete Time (24hr)
		Renal Replacement Therapy (RRT)
20	Is the subject on RRT at the time of substrate and/or breath test administration? DB Name: [ Q20 ]	○ 0 - No ○ 1 - Yes
21	RRT start date DB Name: [ Q21 ]	(dd-mmm-yyyy) Complete
22	RRT start time DB Name: [ Q22 ]	Complete Time (24hr)
23	RRT stop date DB Name: [ Q23 ]	(dd-mmm-yyyy) Complete
24	RRT stop time DB Name: [ Q24 ]	Complete Time (24hr)
		Molecular Adsorbent Recirculating System (MARS)
63	Is the subject on MARS at the time of substrate and/or breath test administration?  DB Name: [ Q63 ]	○ 0 - No ○ 1 - Yes
64	MARS start date DB Name: [ Q64 ]	(dd-mmm-yyyy) Complete
65	MARS start time DB Name: [ Q65 ]	Complete Time (24hr)
66	MARS stop date DB Name: [ Q66 ]	(dd-mmm-yyyy) Complete
67	MARS stop time DB Name: [ Q67 ]	Complete Time (24hr)
		MBT Coma Grade and Vitals
25	West Haven Scale Grade DB Name: [ Q25 ]	<ul> <li>0 - (0) Normal, no clinical signs or symptoms</li> <li>1 - (1) Trivial lack of awareness (euphoria or anxiety, shortened attention span, impaired performance of addition, inverted sleep pattern)</li> <li>2 - (2) Lethargy or apathy (minimal disorientation for time or place, inappropriate behavior, subtle personality change, impaired performance of subtraction, asterixis)</li> <li>3 - (3) Somnolence to semi-stupor, but responsive to verbal stimuli (confusion, gross disorientation)</li> <li>4 - (4) Coma (unresponsive to verbal or noxious stimuli)</li> </ul>
26	Systolic blood pressure DB Name: [ Q26 ]	mm Hg
27	Diastolic blood pressure DB Name: [ Q27 ]	mm Hg
28	Heart rate DB Name: [ Q28 ]	beats / min
29	Respiratory rate DB Name: [ Q29 ]	breaths / min
30	Weight DB Name: [ Q30 ]	
31	Weight unit	○ 1 - lbs ○ 2 - kg

	DB Name: [ Q31 ]	
32	Was blood drawn for acetaminophen adduct assay? DB Name: [ Q32 ]	○ 0 - No ○ 1 - Yes
33	Date of blood draw for acetaminophen adduct assay (must be prior to substrate ingestion) DB Name: [ Q33 ]	(dd-mmm-yyyy) Complete
34	Time of blood draw for acetaminophen adduct assay (must be prior to substrate ingestion) DB Name: [ Q34 ]	Complete Time (24hr)
35	Is subject receiving supplemental oxygen via nasal cannula? DB Name: [ Q35 ]	○ 0 - No ○ 1 - Yes
36	Amount of supplemental oxygen via nasal cannula DB Name: [ Q36 ]	L/min
37	Is subject receiving supplemental oxygen via face mask / trach mask / ventilator? DB Name: [ Q37 ]	○ 0 - No ○ 1 - Yes
38	Amount of FiO2 being delivered DB Name: [ Q38 ]	%
		MBT Baseline Breath Test
39	Start date of baseline breath test DB Name: [ Q39 ]	(dd-mmm-yyyy) Complete
40	Start time of baseline breath test DB Name: [ Q40 ]	Complete Time (24hr)
41	Stop time of baseline breath test DB Name: [ Q41 ]	Complete Time (24hr)
42	Was the baseline breath test ever interrupted? DB Name: [ Q42 ]	○ 0 - No ○ 1 - Yes
43	Explain the baseline breath test interruption DB Name: [ Q43 ]	(250 char.)
		MBT Substrate Administration
44	Is the subject ventilated? DB Name: [ Q44 ]	○ 0 - No ○ 1 - Yes
45	Route of administration of substrate DB Name: [ Q45 ]	1 - Mouth2 - Naso-enteric tube3 - Orogastric tube
46	Substrate ingestion time DB Name: [ Q46 ]	Complete Time (24hr)
69	Were the entire contents of the substrate ingested? (If the contents of the substrate were not entirely ingested, the MBT breath collection must not be initiated).  DB Name: [ Q69 ]	○ 0 - No ○ 1 - Yes
		MBT Breath Collection
47	Was the MBT breath collection initiated? DB Name: [ Q47 ]	○ 0 - No ○ 1 - Yes

48	Explain why the MBT breath collection was not initiated DB Name: [ Q48 ]	(250 char.)
49	How is the breath being collected? DB Name: [ Q49 ]	◯ 1 - Nasal cannula
50	Does the subject have a nasogastric or dobhoff tube in place? DB Name: [ Q50 ]	○ 0 - No ○ 1 - Yes
51	Does subject have an enteric tube in left nostril? DB Name: [ Q51 ]	○ 0 - No ○ 1 - Yes
52	Does subject have an enteric tube in right nostril? DB Name: [ Q52 ]	○ 0 - No ○ 1 - Yes
53	MBT breath collection start time DB Name: [ Q53 ]	Complete Time (24hr)
54	MBT breath collection stop time DB Name: [ Q54 ]	Complete Time (24hr)
55	Was the MBT breath collection ever interrupted? DB Name: [ Q55 ]	○ 0 - No ○ 1 - Yes
56	Explain the MBT breath collection interruption DB Name: [ Q56 ]	(250 char.)
57	Was the MBT breath collection terminated early? DB Name: [ Q57 ]	○ 0 - No ○ 1 - Yes
58	Explain why the MBT breath collection was terminated early DB Name: [ Q58 ]	(250 char.)
		Post MBT Vitals
59	Post MBT Systolic blood pressure DB Name: [ Q59 ]	mm Hg
60	Post MBT Diastolic blood pressure DB Name: [ Q60 ]	mm Hg
61	Post MBT Heart rate DB Name: [ Q61 ]	beats / min
62	Post MBT Respiratory rate DB Name: [ Q62 ]	breaths / min
С	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	(250 char.)

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## Annotated Form for CRF 41 [ ALF-MBT Adverse Event ] Form ID: 159 DB Table Name: FAE DB View Name: vFAE

No.	Item Description	Data Value
		This CRF is optional and should only be completed, if the subject experiences an Adverse Event.
1	Adverse Event Name DB Name: [ AEName ]	(100 char.)
	Grade: Please refer to C	ommon Terminology Criteria for Adverse Events (CTCAE) Version 4.03.
	Grade refers to the seve each AE based on this g	rity of the AE. The CTCAE displays Grades 1 through 5 with unique clinical descriptions of severity for eneral guideline:
	<ul> <li>Grade 2 - Moderate; Living.</li> <li>Grade 3 - Severe or indicated; disabling; I</li> </ul>	ptomatic or mild symptoms; clinical or diagnostic observations only; intervention not indicated. minimal, local or noninvasive intervention indicated; limiting age-appropriate instrumental Activities of Daily medically significant but not immediately life-threatening; hospitalization or prolongation of hospitalization limiting self care Activities of Daily Living. ening consequences; urgent intervention indicated. ted to AE.
2	Grade DB Name: [ Q02 ]	1 - Grade 1 2 - Grade 2 3 - Grade 3 4 - Grade 4 5 - Grade 5
3	Serious? DB Name: [ Q03 ]	○ 0 - No ○ 1 - Yes
4	Relatedness to study intervention DB Name: [ Q04 ]	1 - Unrelated 2 - Unlikely 3 - Reasonable possibility 4 - Definitely
5	Date of onset DB Name: [ Q05 ]	(dd-mmm-yyyy) Complete
6	Time of onset DB Name: [ Q06 ]	Complete Time (24hr)
7	Outcome DB Name: [ Q07 ]	1 - Resolved 2 - Resolved w/ sequelae 3 - Continuing- Follow up is required 4 - Continuing at end of study (No follow up is required) 5 - Continuing at time of death 98 - Unknown
8	Date of resolution DB Name: [ Q08 ]	(dd-mmm-yyyy) Complete
9	Actions taken with study intervention (Check all that apply)	Q09M1 - None Q09M2 - Study intervention interrupted Q09M3 - Study intervention discontinued Q09M4 - Study intervention modified
		Complete the remainder of the form for SAEs only.
Q10	Describe event or problem DB Name: [ Q10 ] SAS Name: [ C17447 ]	(8000
Q11	Relevant tests/ laboratory data,	char.)

	including dates DB Name: [ Q11 ] SAS Name: [ C20395 ]		//	(1000
Q12	Other relevant history, including pre-existing medical conditions DB Name: [ Q12 ] SAS Name: [ C20397 ]	char.)	//	(1000
Q13	Last name of reporting site investigator DB Name: [ Q13 ]	(50 char.)		
Q14	Date of reporting site investigator signature DB Name: [ Q14 ]	(dd-mmm-yyyy) Complete		
С	General Comments: DB Name: [ zNotes ]	char.)		(250

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#### Annotated Form for CRF 43 [ ALF-MBT Lab Data ] Form ID: 161 DB Table Name: F43

No.	Item Description	Data Value
1	Date of blood draw DB Name: [ Q01 ]	(dd-mmm-yyyy) Complete
2	Time of blood draw DB Name: [ Q02 ]	Complete Time (24hr)
3	WBC DB Name: [ Q03 ]	x1000/mm <sup>3</sup>
4	Platelet count DB Name: [ Q04 ]	x1000/mm <sup>3</sup>
5	Is the INR above the limit of detection? DB Name: [ Q05 ]	○ 0 - No ○ 1 - Yes ○ 99 - Not done
6	INR value DB Name: [ Q06 ]	0.5 - 10.0
16	ALT DB Name: [ Q16 ]	IU/L
17	AST DB Name: [ Q17 ]	IU/L
7	Bilirubin DB Name: [ Q07 ]	mg/dL
8	Creatinine DB Name: [ Q08 ]	mg/dL
9	Phosphate DB Name: [ Q09 ]	mg/dL
10	Is the lactate above the level of detection? DB Name: [ Q10 ]	○ 0 - No ○ 1 - Yes ○ 99 - Not done
11	Lactate value DB Name: [ Q11 ]	mmol/L
12	PH DB Name: [ Q12 ]	
13	Standard bicarbonate DB Name: [ Q13 ]	mEq/L
14	Arterial ammonia DB Name: [ Q14 ]	umol/L
15	Venous ammonia DB Name: [ Q15 ]	umol/L
С	General Comments: DB Name: [ zNotes ]	(250 char.)

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# Annotated Form for CRF 45 [ ALFSG-ROTEM Admission ] Form ID: 170 DB Table Name: F45 DB View Name: vF45

No. Item Description		Data Value			
	ALFSG-ROTEM Exclusion Criteria				
ALFRotemVersion	ALFSG-ROTEM protocol version DB Name: [ ALFRotemVersion ]	ALFSG-ROTEM version 1 ALFSG-ROTEM version 2 or higher			
1	Has the subject received plasma, platelet, or cryoprecipitate transfusions during the current admission for ALF, including at referring hospitals?  DB Name: [ Q01 ]	○ 0 - No ○ 1 - Yes			
2	Is the subject enrolled in the STOP-ALF protocol (ornithine phenylacetate)? DB Name: [ Q02 ]	○ 0 - No ○ 1 - Yes			
		ALFSG-ROTEM Study Admission			
3	Date of consent/admission to ALFSG-ROTEM study DB Name: [ Q03 ]	(dd-mmm-yyyy) Complete			
4	Time of consent/admission to ALFSG-ROTEM study DB Name: [ Q04 ]	Complete Time (24hr)			
С	Comments  DB Name: [     zNotes ]  SAS Name: [     Comments ]	(250 char.)			

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## Annotated Form for CRF 46 [ ALFSG-ROTEM Blood Collection ] Form ID: 171 DB Table Name: F46

No.	Item Description	Data Value
а	Data Collected? DB Name: [ zDataCollected ]	○ 0 - No ○ 1 - Yes
1	Date of ALFSG- ROTEM blood draw DB Name: [ Q01 ]	(dd-mmm-yyyy) Complete
2	Time of ALFSG- ROTEM blood draw DB Name: [ Q02 ]	Complete Time (24hr)
3	Is the subject receiving NAC at the time of this ALFSG-ROTEM? DB Name: [ Q03 ]	○ 0 - No ○ 1 - Yes
11	ROTEM device number DB Name: [ Q11 ]	(50 char.)
12	Is the subject on MARS at the time of blood collection / processing? DB Name: [ Q12 ]	○ 0 - No ○ 1 - Yes
4	Date of ALFSG- ROTEM sample processing DB Name: [ Q04 ]	(dd-mmm-yyyy) Complete
5	Time of ALFSG- ROTEM sample processing DB Name: [ Q05 ]	Complete Time (24hr)
6	Type of ALFSG- ROTEM blood collection DB Name: [ Q06 ]	1 - Daily 2 - Post-transfusion
13	Sample processing deviation DB Name: [ Q13 ]	1 - Sample processed outside of window 2 - Study coordinator unavailable 3 - Equipment / reagents unavailable 4 - Device failed quality control 96 - Other 99 - None
14	Reason for sample processing deviation DB Name: [ Q14 ]	(200 char.)
7	Concomitant anticoagulant medication at the time of ALFSG-ROTEM blood draw DB Name: [ Q07 ]	0 - None 1 - IV heparin 2 - SC heparin 3 - Enoxaparin 4 - Aspirin 5 - Warfarin 6 - Clopidogrel 7 - Other anticoagulant
8	Specify other concomitant anticoagulation medication at the time of ALFSG-ROTEM blood draw DB Name: [ Q08 ]	(50 char.)
9	Any issues or complications?	○ 0 - No ○ 1 - Yes

	DB Name: [ Q09 ]	
10	Specify issue or complication DB Name: [ Q10 ]	(200 char.)
If Fibrinogen or PTT information is available on this study day, provide values in the 'General Comments' section below. Enter Fibrinogen results in the mg/dL unit of measurement and PTT in seconds.  If coagulation testing was not performed on this study day, report this in the 'General Comments' section.		
С	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	char.)

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### Annotated Form for CRF 47 [ ALFSG-ROTEM Bleeding/Thrombotic Complication ] Form ID: 172 DB Table Name: F47

No.	Item Description	Data Value
1	Complication event DB Name: [ Q01 ]	1 - Bleeding 2 - Thrombotic
2	Complication date DB Name: [ Q02 ]	(dd-mmm-yyyy) Complete
3	Approximate complication time DB Name: [ Q03 ]	Complete Time (24hr)
4	Complication event type DB Name: [ Q04 ]	○ 1 - Spontaneous ○ 2 - Post-procedure
5	Bleeding location (Check all that apply)	Q05M1 - Upper GI         Q05M2 - Lower GI         Q05M3 - CVC         Q05M4 - Liver         Q05M5 - Intracranial         Q05M96 - Other
6	Specify other bleeding location DB Name: [ Q06 ]	(200 char.)
7	Thrombotic location (Check all that apply)	Q07M1 - DVT Q07M2 - Portal vein Q07M3 - CVC / RRT catheter Q07M4 - RRT circuit Q07M5 - Ischemic stroke Q07M6 - Myocardial infarction Q07M96 - Other
8	Specify other thrombotic location DB Name: [ Q08 ]	(200 char.)
9	Anticoagulant added to RRT circuit DB Name: [ Q09 ]	1 - Heparin 2 - Citrate 3 - Prostacyclin 4 - None 96 - Other
10	Specify other anticoagulant added to RRT circuit DB Name: [ Q10 ]	(200 char.)
12	RRT modality DB Name: [ Q12 ]	1 - CVVH (continuous venovenous hemofiltration) 2 - CVVHD (continuous venovenous hemodialysis) 3 - CVVHDF (continuous venovenous hemodiafiltration) 4 - IHD (intermittent)
13	RRT start date DB Name: [ Q13 ]	(dd-mmm-yyyy) Complete
14	RRT start time DB Name: [ Q14 ]	Complete Time (24hr)
15	RRT stop date DB Name: [ Q15 ]	(dd-mmm-yyyy) Complete
16	RRT stop time DB Name: [ Q16 ]	Complete Time (24hr)
17	Any complications of	

	RRT? DB Name: [ Q17 ]	○ 0 - No ○ 1 - Yes
18	Required intervention? DB Name: [ Q18 ]	○ 0 - No ○ 1 - Yes
19	Bleeding treatments (Check all that apply)	Q19M0 - None   Q19M1 - Platelets   Q19M2 - FFP   Q19M3 - Cryoprecipitate   Q19M4 - RBCs   Q19M5 - Topical thrombin   Q19M6 - Tamponade   Q19M96 - Other
20	Specify other bleeding treatments DB Name: [ Q20 ]	(200 char.)
21	Thrombotic anticoagulation treatments (Check all that apply)	Q21M0 - None         Q21M1 - Enoxaparin         Q21M2 - Heparin         Q21M96 - Other
22	Specify other thrombotic anticoagulation treatments DB Name: [ Q22 ]	(200 char.)
С	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	char.) (250

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### Annotated Form for CRF 48 [ ALFSG-ROTEM Transfusion/Infusion ] Form ID: 173 DB Table Name: F48

No.	Item Description	Data Value
1	Transfusion / infusion date DB Name: [ Q01 ]	(dd-mmm-yyyy) Complete
2	End time of transfusion / infusion DB Name: [ Q02 ]	Complete Time (24hr)
11	Did the transfusion occur prior to ALFSG- ROTEM enrollment? DB Name: [ Q11 ]	○ 0 - No ○ 1 - Yes
3	Transfusion / infusion type DB Name: [ Q03 ]	1 - Platelets 2 - FFP 3 - Cryoprecipitate 4 - RBCs 5 - rFVIIa 96 - Other
4	Specify other transfusion / infusion type DB Name: [ Q04 ]	(200 char.)
5	Indication for treatment DB Name: [ Q05 ]	1 - Bleeding 2 - Prophylaxis
6	Reason for prophylaxis DB Name: [ Q06 ]	1 - Central line 2 - Dialysis catheter 3 - ICP monitor 4 - Liver biopsy 5 - Abnormal lab value 96 - Other procedure
13	Specify details of abnormal lab value DB Name: [ Q13 ]	(200 char.)
7	Specify name of other procedure DB Name: [ Q07 ]	(200 char.)
8	Volume of transfusion DB Name: [ Q08 ]	units
9	Decision for treatment guided by? DB Name: [ Q09 ]	1 - Standard labs 2 - TEG / ROTEM 3 - Physician discretion 96 - Other
12	Specify other decision for treatment guided by DB Name: [ Q12 ]	(200 char.)
10	CRF ID # corresponding to event (on Form 46: ALF- ROTEM Bleeding / Thrombotic Complication) DB Name: [ Q10 ]	
С	Comments DB Name: [ zNotes ] SAS Name: [ Comments ]	char.) (250