

DR1 - CRF 01

Patient ID:

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Coordinator ID:

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1. Date of Screening:

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 (mm/dd/yyyy)2. Patient location during the index event of this study: Inpatient Outpatient**Demographics**

Please enter patient data as recorded at hospital admission (for inpatient) or clinic visit (for outpatient) around which the index event occurred. Ethnic and racial data are self-reporting by the patient based on modified NIH categorization as follows:

- American Indian or Alaska Native: A person having origins in any of the original peoples of North, Central, or South America, and who maintains tribal affiliations or community attachment.
- Asian: A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent.
- Black or African American: A person having origins in any of the black racial groups of Africa.
- Native Hawaiian or Other Pacific Islander: A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.
- White: A person having origins in any of the original peoples of Europe, the Middle East, or North Africa.
- Hispanic or Latino: In this study "Hispanic or Latino" refers to the ethnic population with origins in the countries of Latin America.

3. Gender: Male Female4. Age:

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5. Weight:

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 kg NA6. Height:

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 inch cm NA

7. Race:
- American Indian or Alaska Native
 - Asian
 - Black
 - Native Hawaiian or Other Pacific Islander
 - White
 - Hispanic or Latino
 - Not Reported
 - Other (please specify) :

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DIRI Phenotypes and Candidate Drugs**8. Select the DIRI phenotype to investigate on this patient:**

(Note: Glomerular disorder phenotype requires kidney biopsy findings to be eligible for study.)

- AKI (Nephrotoxic, Allergic, Mixed)
- Glomerular Disorder (Hematuria, Heavy Proteinuria, GN)

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9. Review candidate drugs included for study for respective DIRI phenotypes:

Candidate Drugs for AKI Phenotype

A01-Abacavir	C04-Ciprofloxacin	I05-Imipenem	P02-Pantoprazole
A02-Acyclovir	C05-Cisplatin	I04-Indomethacin	P03-Penicillin
A08-Allopurinol	C15-Citalopram	I06-Ipilimumab	P07-Phenytoin
A03-Amikacin	C12-Clindamycin	I07-Irbesartan	P04-Piperacillin/ tazobactam
A04-Amoxicillin	C06-Colistin	K02-Ketoprofen	P06-Polymyxin
A05-Amphotericin	C07-Cylosporine	K01-Ketorolac	R01-Rifampin
A06-Ampicillin	D02-Daptomycin	L02-Lansoprazole	S04-Streptomycin
A07-Atazanavir	D03-Diclofenac	L03-Levofloxacin	S02-Sulfadiazine
C11-Carbamazepine	D01-Didanosine	M01-Meropenem	S01-Sulfamethoxazole/ trimethoprim
C09-Carboplatin	D04-Doxycycline	M02-Mesalamine	S03-Sulfasalazine
C10-Cefalexin	E01-Esomeprazole	M04-Metformin	T01-Tacrolimus
C01-Cefazolin	E02-Etanercept	M03-Methotrexate	T05-Teicoplanin
C13-Cefepime	F03-Flucloxacillin	N01-Nafcillin	T02-Tenofovir
C08-Ceftaroline	F01-Foscarnet	N02-Naproxen	T03-Tobramycin
C02-Ceftazidime	G02-Gemcitabine	N03-Nitrofurantoin	T04-Torsemide
C14-Ceftriaxone	G01-Gentamicin	O03-Olmesartan	V01-Vancomycin
C16-Celecoxib	I01-Ibuprofen	O01-Omeprazole	
C03-Cidofovir	I02-Ifosfamide	O02-Oxacillin	

Candidate Drugs for Glomerular Disorder Phenotype

A04-Amoxicillin	G02-Gemcitabine	N01-Nafcillin	P04-Piperacillin/ tazobactam
A06-Ampicillin	H01-Hydralazine	N02-Naproxen	P05-Propylthiouracil
B01-Bevacuzimub	I01-Ibuprofen	O01-Omeprazole	R01-Rifampin
C03-Cidofovir	I02-Ifosfamide	O02-Oxacillin	R02-Ritonavir
C07-Cylosporine	I04-Indomethacin	P01-Pamidronate	T01-Tacrolimus
E01-Esomeprazole	K01-Ketorolac	P02-Pantoprazole	
E03-Exenatide	L02-Lansoprazole	P03-Penicillin	

10. Does the candidate drug list (item 9) for the selected phenotype (item 8) include at least one of the drugs you wish to investigate on this patient? (Please note that a drug can only be considered for study if the patient was exposed to this drug for at least 24 hours.)

Yes No

If No, stop screening for this patient.

11. If Yes, please select up to three drugs from the list you wish to investigate and enter their drug IDs and trade names in order of preference: (Drug ID is the three-character string, e.g. V01 for Vancomycin, which prefixes each drug name in the drug lists in item 9.)

	Drug ID	Trade Name
a. Drug 1 (primary drug):	<input type="text"/>	<input type="text"/>
b. Drug 2 (optional drug):	<input type="text"/>	<input type="text"/>
c. Drug 3 (optional drug):	<input type="text"/>	<input type="text"/>

Chronic Kidney Disease (CKD) Status

12. Lowest serum creatinine between 90 days to 12 months prior to hospital admission or first clinic visit date:

a. CKD Baseline Creatinine: . mg/dL NA
 umol/L

b. Date Recorded: / / (mm/dd/yyyy)

13. If CKD baseline creatinine is available, look up in CKD Stage 5 Creatinine Table (Appendix 1 or 2 of this CRF) for the lowest creatinine value at which level this patient would be considered CKD Stage 5 (eGFR < 15 mL/min/1.73 m²) and record the value below.

a. CKD Stage 5 Creatinine: . mg/dL
 umol/L

14. Historical evidence of CKD based on standard criteria: proteinuria, biopsy, ultrasound size.

Yes No

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Risk Factors15. Does patient have high risk for AKI? Yes No Unknown

If yes, please check all applicable risk factors:

- | | |
|--|--|
| <input type="checkbox"/> Age > 75 | <input type="checkbox"/> Diabetes |
| <input type="checkbox"/> Severe Infection (Sepsis) | If diabetic, answer the following check list: |
| <input type="checkbox"/> Chronic Heart Failure | <input type="checkbox"/> Requires Medication |
| <input type="checkbox"/> Chronic Liver Disease | <input type="checkbox"/> Requires Insulin |
| <input type="checkbox"/> Decreased Albumin (< 3 g/dL or 30 g/L) | <input type="checkbox"/> Hyperglycemia (Glucose > 110 mg/dL or 6.1 mmol/L) |
| <input type="checkbox"/> Anemia (Hb < 9 g/dL) | <input type="checkbox"/> Peripheral Vascular Disease |
| <input type="checkbox"/> Radiocontrast 72 hours prior to drug exposure | <input type="checkbox"/> Chronic Lung Disease (COPD) |
| <input type="checkbox"/> Hypotension (Shock, MAP < 60) | |

Inclusion Criteria (All answers must be "Yes" for patient to be considered for study.)

16. Yes No Age ≥ 2 years.
17. Yes No Exposure to a DIRI medication to be studied.

Exclusion Criteria (All answers must be "No" for patient to be considered for study.)

18. Yes No Unable to provide written informed consent.
19. Yes No Patient with a history or have a kidney transplant.
20. Yes No Patient with bone marrow transplant.
21. Yes No Patient with CKD stage 5 (item 12a ≥ item 13a, mark No if creatinine value not available).
22. Yes No On more than 3 causal agents.
23. Yes No No history on time course for drug exposure.
24. Yes No Incomplete data elements.

Stop screening for this patient if patient did not meet all inclusion and exclusion criteria.

Kidney Biopsy

25. Was there abnormal result observed in a kidney biopsy performed within four weeks after stopping the drug you wish to investigate? (Please note that kidney biopsy is a prerequisite for glomerular disorder phenotype.)

- Yes No No biopsy performed

If Yes, please answer the following questions:

a. Date Biopsy Performed: / / (mm/dd/yyyy)

b. Biopsy Findings: (Check all that apply)

- | | |
|---|--|
| <input type="checkbox"/> Acute Interstitial Nephritis | <input type="checkbox"/> Acute Tubular Necrosis |
| <input type="checkbox"/> Glomerulonephritis | <input type="checkbox"/> Thrombosis with HUS/TTP/HSP |
| <input type="checkbox"/> Other: <input type="text"/> | |

Stop screening for this patient if you have selected to investigate glomerular disorder phenotype and no kidney biopsy findings were observed.

Road Map for Eligibility Check Using DIRI Criteria

26. Based on the phenotype and DIRI criteria specified in the following, please answer questions in the pertinent sections to determine patient's eligibility for enrollment with this study:

- | | |
|--|----------------------------------|
| <input type="radio"/> AKI phenotype with AKIN stage 2 criteria based on rising serum creatinine | ----> Complete questions 27 - 29 |
| <input type="radio"/> AKI phenotype with AKIN stage 2 criteria based on declining serum creatinine | ----> Complete questions 30 - 32 |
| <input type="radio"/> Glomerular disorder phenotype | ----> Complete questions 33 - 38 |

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Form input boxes for Patient ID

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AKI Phenotype - Primary Criteria for DIRI - AKIN Stage 2 - Rising Serum Creatinine

Rise in serum creatinine that presents as or progresses to AKIN Stage 2 (KDIGO) in relation to drug exposure.

27. Enter start date/time and stop date/time for the candidate drugs you selected in item 11:

Form for drug 1, 2, and 3 including drug ID, start/stop date/time, and NA checkboxes.

28. Scenario 1 - Use lowest creatinine value as reference

Form for Scenario 1 including reference creatinine, qualifying creatinine, and first creatinine data.

29. Scenario 2 - Use closest creatinine value as reference

Form for Scenario 2 including reference creatinine, qualifying creatinine, and first creatinine data.

Please log on to the DIRECT study website at https://www.obriendata.org/DIRECT, enter all the patient and drug information you have gathered here into the database so that the software will help you determine which drugs met the DIRI criteria. Then continue at question 39 on page 7 to complete the screening log.

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AKI Phenotype - Primary Criteria for DIRI - AKIN Stage 2 - Declining Serum Creatinine

Decline in serum creatinine as defined by AKIN Stage 2 (KDIGO) in relation to drug dose reduction or drug stopping.

Note: This section is not applicable to pediatric patients if the peak creatinine during drug exposure did not exceed 0.5 mg/dL or 44.2 umol/L.

30. Which of the following scenarios will be used for evaluation of DIRI eligibility?

- Decline in serum creatinine in relation to dose reduction
 Decline in serum creatinine in relation to drug stopping

31. Enter start date/time, and date/time of first dose reduction after peak serum creatinine or date/time when drug stopped for the candidate drugs you selected in item 11:

- a. Drug 1 (primary drug) Drug ID:**

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 (copy drug ID from item 11a.)
- i. Start Date/Time:**

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 (mm/dd/yyyy)

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 (24hr clock)
- ii. Dose Reduction or Drug Stopping Date/Time:**

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 (mm/dd/yyyy)

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 (24hr clock) NA
- b. Drug 2 (optional drug) Drug ID:**

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 (copy drug ID from item 11b.)
- i. Start Date/Time:**

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 (mm/dd/yyyy)

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 (24hr clock)
- ii. Dose Reduction or Drug Stopping Date/Time:**

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 (mm/dd/yyyy)

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 (24hr clock) NA
- c. Drug 3 (optional drug) Drug ID:**

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 (copy drug ID from item 11c.)
- i. Start Date/Time:**

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 (mm/dd/yyyy)

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 (24hr clock)
- ii. Dose Reduction or Drug Stopping Date/Time:**

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 (mm/dd/yyyy)

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 (24hr clock) NA

32. a. Reference Creatinine - Peak SCr during drug exposure. (must be at least 0.5 mg/dL or 44.2 umol/L for children)

- i. Creatinine:**

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 mg/dL
 umol/L
- ii. Date/Time:**

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 (mm/dd/yyyy)

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 (24hr clock)

- b. Qualifying Creatinine - Multiply reference creatinine by 0.5:**

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 mg/dL
 umol/L

c. First creatinine that is less than or equal to qualifying creatinine (32b) 24 hours after dose reduction or immediately after drug stopping:

- i. Found occurrence:** Yes No
- ii. Creatinine:**

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 mg/dL
 umol/L
- iii. Data Date/Time:**

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 (mm/dd/yyyy)

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 (24hr clock)

Please log on to the DIRECT study website at <https://www.obriendata.org/DIRECT>, enter all the patient and drug information you have gathered here into the database so that the software will help you determine which drugs met the DIRI criteria. Then continue at question 39 on page 7 to complete the screening log.

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Glomerular Disease Phenotype - Primary Criteria for DIRI - UA & UC

33. Enter start date/time and stop date/time for the candidate drugs you selected in item 11:

- a. Drug 1 (primary drug) Drug ID:

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 (copy drug ID from item 11a.)
- i. Start Date/Time:

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 (mm/dd/yyyy)

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 (24hr clock)
- ii. Stop Date/Time:

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 (mm/dd/yyyy)

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 (24hr clock) NA
- b. Drug 2 (optional drug) Drug ID:

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 (copy drug ID from item 11b.)
- i. Start Date/Time:

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 (mm/dd/yyyy)

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 (24hr clock)
- ii. Stop Date/Time:

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 (mm/dd/yyyy)

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 (24hr clock) NA
- c. Drug 3 (optional drug) Drug ID:

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 (copy drug ID from item 11c.)
- i. Start Date/Time:

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 (mm/dd/yyyy)

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 (24hr clock)
- ii. Stop Date/Time:

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 (mm/dd/yyyy)

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 (24hr clock) NA

34. Yes No No Data Did patient have elevated proteinuria that met the following criteria following exposure to drug?Adult patient

24-hour urine collection > 1000 mg

Pediatric patient24-hour urine collection > 100 mg/m²/dayRandom urine collection > 4 mg/m²/hr

If Yes, record the incidence in the following:

- a. Protein:

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 mg/day mg/m²/day
 mg/m²/hr
- b. Data Date/Time:

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 (mm/dd/yyyy)

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 (24hr clock)

35. Yes No No Data Did patient's urine protein creatinine ratio (UPC) exceed 0.8 following exposure to drug?

If Yes, record the incidence in the following:

- a. UPC:

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- b. Data Date/Time:

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 (mm/dd/yyyy)

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 (24hr clock)

36. Yes No No Data Did patient's urinalysis show 2+ protein following exposure to drug?

If Yes, record the incidence in the following:

- a. Protein: Negative Trace 1+ 2+ 3+ 4+ NA
- b. Data Date/Time:

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 (mm/dd/yyyy)

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 (24hr clock)

37. Yes No No Data Did patient's urinalysis show > 50 RBC/HPF following exposure to drug?

If Yes, record the incidence in the following:

- a. Data Date/Time:

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 (mm/dd/yyyy)

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 (24hr clock)

38. Yes No No Data Did patient's urinalysis show dysmorphic RBC following exposure to drug?

If Yes, record the incidence in the following:

- a. Data Date/Time:

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 (mm/dd/yyyy)

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 (24hr clock)

Please log on to the DIRECT study website at <https://www.obriendata.org/DIRECT>, enter all the patient and drug information you have gathered here into the database so that the software will help you determine which drugs met the DIRI criteria. Then continue at question 39 on page 7 to complete the screening log.

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Screening Summary

39. Mark the drugs that met DIRI criteria according to the result of eligibility check on the DIRECT study website:

- Drug 1 Drug 2 Drug 3 None

40. Is patient eligible for this study? (Patient is eligible for study if patient passed all inclusion/exclusion criteria and any selected study drug met DIRI criteria.)

- Yes No

Informed Consent

41. Was informed consent obtained?

Note: A signed informed consent must be obtained in order to enroll the patient unless your IRB has agreed that no consent is needed for this study or the patient has signed a consent waiver.

- Yes No No Consent Needed

42. If consent was obtained, answer the following questions:

a. Date Consent Signed:

 /

 /

 (mm/dd/yyyy)

b. Who signed the consent? Patient Spouse Patient Representative Parent

c. Who obtained the consent? Investigator Coordinator Other MD

43. If consent form was not obtained, mark below the primary reason for not obtaining consent:

- Patient decision Patient representative decision Physician decision
 Death Renal recovery Site personnel issues
 No one to give consent Discharged from hospital Other

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DRI - CRF 01

APPENDIX 1**CKD Stage 5 Creatinine Table - For Children of Age 2 - 17**

Following table shows the lowest creatinine (IDMS traceable) value that would result in eGFR 14 (CKD stage 5) for given height of a patient using Bedside Schwartz equation. This table is valid only for pediatric patients of age 2 - 17.

Height (cm)	Creatinine		Height (cm)	Creatinine		Height (cm)	Creatinine	
	mg/dL	umol/L		mg/dL	umol/L		mg/dL	umol/L
50	1.42	125.5	100	2.83	250.2	150	4.25	375.7
51	1.45	128.2	101	2.86	252.8	151	4.27	377.5
52	1.48	130.8	102	2.89	255.5	152	4.30	380.1
53	1.50	132.6	103	2.92	258.1	153	4.33	382.8
54	1.53	135.3	104	2.95	260.8	154	4.36	385.4
55	1.56	137.9	105	2.97	262.5	155	4.39	388.1
56	1.59	140.6	106	3.00	265.2	156	4.42	390.7
57	1.62	143.2	107	3.03	267.9	157	4.44	392.5
58	1.65	145.9	108	3.06	270.5	158	4.47	395.1
59	1.67	147.6	109	3.09	273.2	159	4.50	397.8
60	1.70	150.3	110	3.12	275.8	160	4.53	400.5
61	1.73	152.9	111	3.14	277.6	161	4.56	403.1
62	1.76	155.6	112	3.17	280.2	162	4.59	405.8
63	1.79	158.2	113	3.20	282.9	163	4.61	407.5
64	1.81	160.0	114	3.23	285.5	164	4.64	410.2
65	1.84	162.7	115	3.26	288.2	165	4.67	412.8
66	1.87	165.3	116	3.29	290.8	166	4.70	415.5
67	1.90	168.0	117	3.31	292.6	167	4.73	418.1
68	1.93	170.6	118	3.34	295.3	168	4.76	420.8
69	1.96	173.3	119	3.37	297.9	169	4.78	422.6
70	1.98	175.0	120	3.40	300.6	170	4.81	425.2
71	2.01	177.7	121	3.43	303.2	171	4.84	427.9
72	2.04	180.3	122	3.45	305.0	172	4.87	430.5
73	2.07	183.0	123	3.48	307.6	173	4.90	433.2
74	2.10	185.6	124	3.51	310.3	174	4.92	434.9
75	2.13	188.3	125	3.54	312.9	175	4.95	437.6
76	2.15	190.1	126	3.57	315.6	176	4.98	440.2
77	2.18	192.7	127	3.60	318.2	177	5.01	442.9
78	2.21	195.4	128	3.62	320.0	178	5.04	445.5
79	2.24	198.0	129	3.65	322.7	179	5.07	448.2
80	2.27	200.7	130	3.68	325.3	180	5.09	450.0
81	2.30	203.3	131	3.71	328.0	181	5.12	452.6
82	2.32	205.1	132	3.74	330.6	182	5.15	455.3
83	2.35	207.7	133	3.77	333.3	183	5.18	457.9
84	2.38	210.4	134	3.79	335.0	184	5.21	460.6
85	2.41	213.0	135	3.82	337.7	185	5.24	463.2
86	2.44	215.7	136	3.85	340.3	186	5.26	465.0
87	2.46	217.5	137	3.88	343.0	187	5.29	467.6
88	2.49	220.1	138	3.91	345.6	188	5.32	470.3
89	2.52	222.8	139	3.94	348.3	189	5.35	472.9
90	2.55	225.4	140	3.96	350.1	190	5.38	475.6
91	2.58	228.1	141	3.99	352.7	191	5.41	478.2
92	2.61	230.7	142	4.02	355.4	192	5.43	480.0
93	2.63	232.5	143	4.05	358.0	193	5.46	482.7
94	2.66	235.1	144	4.08	360.7	194	5.49	485.3
95	2.69	237.8	145	4.11	363.3	195	5.52	488.0
96	2.72	240.4	146	4.13	365.1	196	5.55	490.6
97	2.75	243.1	147	4.16	367.7	197	5.58	493.3
98	2.78	245.8	148	4.19	370.4	198	5.60	495.0
99	2.80	247.5	149	4.22	373.0	199	5.63	497.7

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APPENDIX 2**CKD Stage 5 Creatinine Table - For Patients of Age 18 and Older**

Following table shows the lowest creatinine (IDMS traceable) value that would result in eGFR 14 (CKD stage 5) for given age, gender, and race of a patient using CKD-EPI equation. This table is valid only for adult patients of age 18 and older.

Age	Creatinine mg/dl				Age	Creatinine umol/L			
	Male		Female			Male		Female	
	Black	Other	Black	Other		Black	Other	Black	Other
18	6.02	5.32	4.75	4.20	18	532.2	470.3	419.9	371.3
19	5.98	5.29	4.72	4.18	19	528.6	467.6	417.2	369.5
20	5.95	5.26	4.69	4.16	20	526.0	465.0	414.6	367.7
21	5.91	5.23	4.67	4.13	21	522.4	462.3	412.8	365.1
22	5.88	5.20	4.64	4.11	22	519.8	459.7	410.2	363.3
23	5.84	5.17	4.61	4.08	23	516.3	457.0	407.5	360.7
24	5.81	5.14	4.59	4.06	24	513.6	454.4	405.8	358.9
25	5.78	5.11	4.56	4.04	25	511.0	451.7	403.1	357.1
26	5.74	5.08	4.53	4.01	26	507.4	449.1	400.5	354.5
27	5.71	5.05	4.51	3.99	27	504.8	446.4	398.7	352.7
28	5.68	5.02	4.48	3.97	28	502.1	443.8	396.0	350.9
29	5.64	5.00	4.46	3.94	29	498.6	442.0	394.3	348.3
30	5.61	4.97	4.43	3.92	30	495.9	439.3	391.6	346.5
31	5.58	4.94	4.40	3.90	31	493.3	436.7	389.0	344.8
32	5.55	4.91	4.38	3.88	32	490.6	434.0	387.2	343.0
33	5.51	4.88	4.35	3.85	33	487.1	431.4	384.5	340.3
34	5.48	4.85	4.33	3.83	34	484.4	428.7	382.8	338.6
35	5.45	4.82	4.30	3.81	35	481.8	426.1	380.1	336.8
36	5.42	4.80	4.28	3.79	36	479.1	424.3	378.4	335.0
37	5.39	4.77	4.25	3.77	37	476.5	421.7	375.7	333.3
38	5.36	4.74	4.23	3.74	38	473.8	419.0	373.9	330.6
39	5.33	4.71	4.20	3.72	39	471.2	416.4	371.3	328.8
40	5.29	4.69	4.18	3.70	40	467.6	414.6	369.5	327.1
41	5.26	4.66	4.16	3.68	41	465.0	411.9	367.7	325.3
42	5.23	4.63	4.13	3.66	42	462.3	409.3	365.1	323.5
43	5.20	4.61	4.11	3.64	43	459.7	407.5	363.3	321.8
44	5.17	4.58	4.08	3.62	44	457.0	404.9	360.7	320.0
45	5.14	4.55	4.06	3.59	45	454.4	402.2	358.9	317.4
46	5.11	4.53	4.04	3.57	46	451.7	400.5	357.1	315.6
47	5.08	4.50	4.01	3.55	47	449.1	397.8	354.5	313.8
48	5.05	4.47	3.99	3.53	48	446.4	395.1	352.7	312.1
49	5.02	4.45	3.97	3.51	49	443.8	393.4	350.9	310.3
50	5.00	4.42	3.94	3.49	50	442.0	390.7	348.3	308.5
51	4.97	4.40	3.92	3.47	51	439.3	389.0	346.5	306.7
52	4.94	4.37	3.90	3.45	52	436.7	386.3	344.8	305.0
53	4.91	4.35	3.88	3.43	53	434.0	384.5	343.0	303.2
54	4.88	4.32	3.85	3.41	54	431.4	381.9	340.3	301.4
55	4.85	4.30	3.83	3.39	55	428.7	380.1	338.6	299.7
56	4.82	4.27	3.81	3.37	56	426.1	377.5	336.8	297.9
57	4.80	4.25	3.79	3.35	57	424.3	375.7	335.0	296.1
58	4.77	4.22	3.77	3.33	58	421.7	373.0	333.3	294.4
59	4.74	4.20	3.74	3.31	59	419.0	371.3	330.6	292.6
60	4.71	4.17	3.72	3.29	60	416.4	368.6	328.8	290.8
61	4.69	4.15	3.70	3.28	61	414.6	366.9	327.1	290.0
62	4.66	4.12	3.68	3.26	62	411.9	364.2	325.3	288.2
63	4.63	4.10	3.66	3.24	63	409.3	362.4	323.5	286.4
64	4.61	4.08	3.64	3.22	64	407.5	360.7	321.8	284.6
65	4.58	4.05	3.62	3.20	65	404.9	358.0	320.0	282.9

--- To be continued on next page ---

Patient ID:

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Form ID:

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DR1 - CRF 01

APPENDIX 2 (continued from page 11)**CKD Stage 5 Creatinine Table - For Patients of Age 18 and Older**

Following table shows the lowest creatinine (IDMS traceable) value that would result in eGFR 14 (CKD stage 5) for given age, gender, and race of a patient using CKD-EPI equation. This table is valid only for adult patients of age 18 and older.

Age	Creatinine mg/dl				Age	Creatinine umol/L			
	Male		Female			Male		Female	
	Black	Other	Black	Other		Black	Other	Black	Other
66	4.55	4.03	3.59	3.18	66	402.2	356.3	317.4	281.1
67	4.53	4.01	3.57	3.16	67	400.5	354.5	315.6	279.3
68	4.50	3.98	3.55	3.15	68	397.8	351.8	313.8	278.5
69	4.47	3.96	3.53	3.13	69	395.1	350.1	312.1	276.7
70	4.45	3.94	3.51	3.11	70	393.4	348.3	310.3	274.9
71	4.42	3.91	3.49	3.09	71	390.7	345.6	308.5	273.2
72	4.40	3.89	3.47	3.07	72	389.0	343.9	306.7	271.4
73	4.37	3.87	3.45	3.06	73	386.3	342.1	305.0	270.5
74	4.35	3.85	3.43	3.04	74	384.5	340.3	303.2	268.7
75	4.32	3.83	3.41	3.02	75	381.9	338.6	301.4	267.0
76	4.30	3.80	3.39	3.00	76	380.1	335.9	299.7	265.2
77	4.27	3.78	3.37	2.99	77	377.5	334.2	297.9	264.3
78	4.25	3.76	3.35	2.97	78	375.7	332.4	296.1	262.5
79	4.22	3.74	3.33	2.95	79	373.0	330.6	294.4	260.8
80	4.20	3.72	3.31	2.93	80	371.3	328.8	292.6	259.0
81	4.17	3.69	3.30	2.92	81	368.6	326.2	291.7	258.1
82	4.15	3.67	3.28	2.90	82	366.9	324.4	290.0	256.4
83	4.12	3.65	3.26	2.88	83	364.2	322.7	288.2	254.6
84	4.10	3.63	3.24	2.87	84	362.4	320.9	286.4	253.7
85	4.08	3.61	3.22	2.85	85	360.7	319.1	284.6	251.9
86	4.05	3.59	3.20	2.83	86	358.0	317.4	282.9	250.2
87	4.03	3.57	3.18	2.82	87	356.3	315.6	281.1	249.3
88	4.01	3.55	3.16	2.80	88	354.5	313.8	279.3	247.5
89	3.98	3.53	3.15	2.78	89	351.8	312.1	278.5	245.8
90	3.96	3.51	3.13	2.77	90	350.1	310.3	276.7	244.9
91	3.94	3.49	3.11	2.75	91	348.3	308.5	274.9	243.1
92	3.92	3.47	3.09	2.74	92	346.5	306.7	273.2	242.2
93	3.89	3.45	3.07	2.72	93	343.9	305.0	271.4	240.4
94	3.87	3.43	3.06	2.71	94	342.1	303.2	270.5	239.6
95	3.85	3.41	3.04	2.69	95	340.3	301.4	268.7	237.8
96	3.83	3.39	3.02	2.67	96	338.6	299.7	267.0	236.0
97	3.80	3.37	3.00	2.66	97	335.9	297.9	265.2	235.1
98	3.78	3.35	2.99	2.64	98	334.2	296.1	264.3	233.4
99	3.76	3.33	2.97	2.63	99	332.4	294.4	262.5	232.5

Patient ID:

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Form ID:

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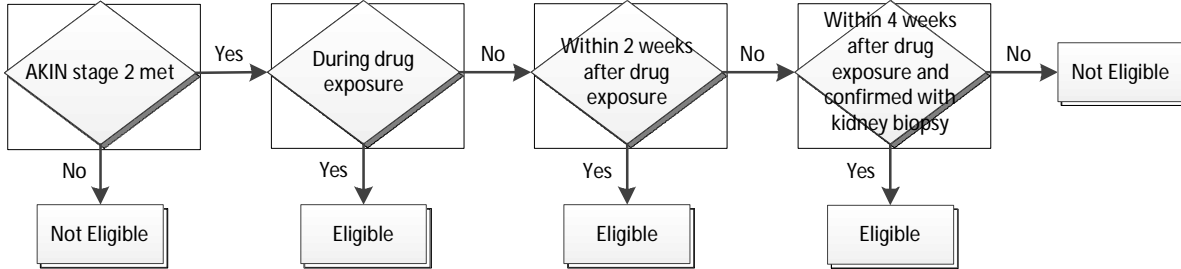
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DR1 - CRF 01

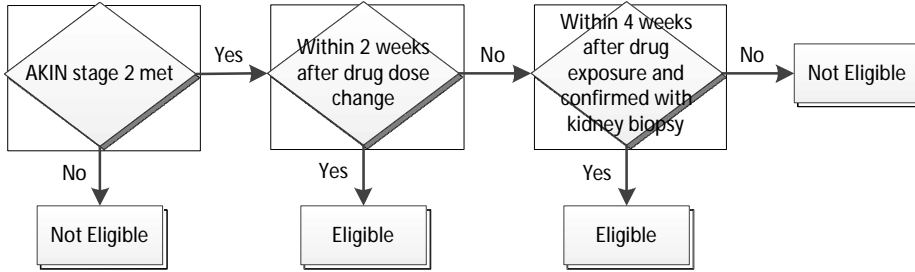
APPENDIX 3

Decision Flow for DIRI Eligibility Check

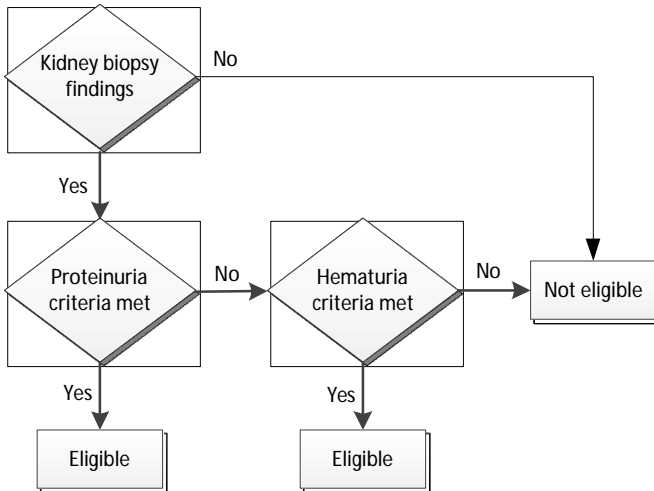
Eligibility assessment for AKI phenotype with AKIN stage 2 criteria based on rising serum creatinine:



Eligibility assessment for AKI phenotype with AKIN stage 2 criteria based on declining serum creatinine:



Eligibility assessment for Glomerular Disorder phenotype:



Genomics of Drug Induced Renal Injury (DIRI): Racial Detail

Patient ID:

Coordinator ID:

Form ID:

DR1 - CRF 02

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Please review the following Race Code table and identify the best matching race categories for patient and patient's parents. This information will help better evaluate the genetic distribution of study participants in terms of race. We understand that racial origin is self reported by patient or documented in patient's medical records. We appreciate it may be difficult to obtain the requested information and would be very grateful for any information provided by the patient.

Self-Reporting Race Identification (Based on Modified CDC Race and Ethnicity Code Set v1.0)							
Race Group	Race Code	Description	Race Group	Race Code	Description		
AMERICAN INDIAN OR ALASKA NATIVE	101	American Indian	BLACK	309	Jamaican		
	102	Alaska Native		310	Tobagoan		
ASIAN	201	Asian Indian		311	Trinidadian		
	202	Bangladeshi		312	West Indian		
	203	Bhutanese		399	Other Black		
	204	Burmese	NATIVE HAWAIIAN OR OTHER PACIFIC ISLANDER	401	Polynesian (Native Hawaiian, Samoan, Tahitian, Tongan, Tokelauan)		
	205	Cambodian		402	Micronesian (Guamanian or Chamorro, Guamanian, Chamorro, Mariana Islander, Marshallese, Palauan, Carolinian, Kosraean, Pohnpeian, Saipanese, Kiribati, Chuukese, Yapese)		
	206	Chinese					
	207	Taiwanese					
	208	Filipino					
	209	Hmong					
	210	Indonesian					
	211	Japanese					
	212	Korean					
	213	Laotian					
	214	Malaysian					
	215	Okinawan	WHITE	403	Melanesian (Fijian, Papua New Guinean, Solomon Islander, New Hebrides)		
	216	Pakistani		501	European (Armenian, English, French, German, Irish, Italian, Polish, Spaniard, Scottish)		
	217	Sri Lankan					
218	Thai						
219	Vietnamese						
220	Iwo Jiman						
221	Maldivian						
222	Nepalese						
223	Singaporean						
224	Madagascar						
299	Other Asian	502	Middle Eastern or North African (Assyrian, Egyptian, Iranian, Iraqi, Lebanese, Palestinian, Syrian, Afghanistani, Israeli)				
BLACK	301			Black	HISPANIC OR LATINO	602	Mexican
	302			African American			
	303			African (Botswanan, Ethiopian, Liberian, Nambian, Nigerian, Zairean)			
	304			Bahamian			
	305			Barbadian			
	306			Dominican			
	307			Dominican Islander			
	308			Haitian			
503	Arab						
599	Other White						
603	Central American						
604	South American						
605	Latin American						
606	Puerto Rican						
607	Cuban						
608	Dominican						
699	Other Hispanic or Latino						
998	Not Reported						
999	Other Race						

1. Patient Self

a. Race Code:

--	--	--

b. Country of Birth:

--

NA

c. City of Birth:

--

NA

2. Mother's Race Code:

--	--	--	--	--	--	--	--

(Up to two race codes may be entered for each parent.)

3. Father's Race Code:

--	--	--	--	--	--	--	--

(Up to two race codes may be entered for each parent.)

Patient ID:

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Coordinator ID:

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Form ID:

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DR1 - CRF 03

Please enter medical history from hospital admission for inpatient or medical history within three months of DIRI for outpatient.

1. Date Obtained:

 /

 /

 (mm/dd/yyyy)

2. Please enter up to 2000 characters in the following box the reason for hospital admission for inpatient, or the chief complaint or reason for followup at clinic for outpatient. Include any nephrologist diagnosis if available.

--

3. Hypertension: Present Absent No Data

4. Diabetes Mellitus: Present Absent No Data

5. Chronic Obstructive Pulmonary Disease: Present Absent No Data

6. Cardiac

a. Coronary Artery Disease: Present Absent No Data

b. Congestive Heart Failure: Present Absent No Data

7. Peripheral Vascular Disease Present Absent No Data

8. Immunocompromised

a. HIV-Positive/ARC: Present Absent No Data

b. AIDS: Present Absent No Data

c. Non-Renal Organ Transplant Present Absent No Data

If Yes, specify type of transplant: (Check all that apply.)

Liver Heart Lung Other

9. Liver Disease

a. Cirrhosis of Liver: Present Absent No Data

b. Hepatic Failure with Encephalopathy or Coma: Present Absent No Data

c. Other Liver Disease: Present Absent No Data

Patient ID:

Coordinator ID:

Form ID:

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DR1 - CRF 03

10. Malignancy

- a. Solid Tumor with Metastasis: Present Absent No Data
- b. Hodgkins Lymphoma: Present Absent No Data
- c. Non-Hodgkins Lymphoma: Present Absent No Data
- d. Leukemia/Myelomas: Present Absent No Data
- e. Other Cancers: Present Absent No Data
- f. Chemotherapy: Present Absent No Data
- g. Radiation Therapy: Present Absent No Data
- h. Other Cancer Therapy: Present Absent No Data

11. Autoimmune Disease:

-
- Present
-
- Absent
-
- No Data

If Yes, please specify: (Check all that apply.)

- Lupus Rheumatoid Arthritis
- Scleroderma Sjogren's Syndrome
- Other:

12. Renal

- a. Kidney Disease with No Dialysis: Present Absent No Data
- b. Kidney Disease with Past Dialysis: Present Absent No Data

If any primary kidney disease, please specify: (check all that apply.)

- Glomerular Disease PCKD
- Kidney Stones

13. Allergic Disease:

-
- Present
-
- Absent
-
- No Data

If Yes, please specify: (Check all that apply.)

- Asthma Eczema
- Hayfever Anaphylaxis
- Other:

14. Currently taking oral contraceptives?

-
- Yes
-
- No

15. Smoking Status:

-
- Current Smoker
-
- Former Smoker
-
- Never Smoked
-
- No Data

16. Has the patient been on any of the following in the last four weeks?
(Check all that apply.)

- Diuretics Antibiotics
- NSAIDs (excluding aspirin) ACEi/ARBs
- Aprotinin Recreational Drugs

17. Has the patient undergone any procedures requiring radio contrast in the last four weeks?

-
- Yes
-
- No

If Yes, enter the date of last procedure: / / (mm/dd/yyyy)**18. Was the patient given any blood products in the last four weeks?**

-
- Yes
-
- No

If Yes, enter the date of last occurrence: / / (mm/dd/yyyy)**19. Has the patient undergone any of the following in the last four weeks?**
(Check all that apply.)

- Cardiac Surgery Nephrotoxic Insult
- Cardiac Catheterization Vascular Surgery
- Other Major Surgery/Trauma

DR1 - CRF 04

Patient ID:

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Coordinator ID:

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Form ID:

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1. Date:

--	--

 /

--	--

 /

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 (mm/dd/yyyy)2. Time:

--	--

 :

--	--

 (24-hour clock)

3. Edema:

 Generalized
 Peripheral Only
 Localized Only (sacral/flank)
 None
 Not Recorded

4. Lung rales:

 Present
 Absent
 Not Recorded

5. Heart:

 Raised JVD
 Cardiac Murmurs
 Arrhythmias
 No Abnormalities
 Not Recorded

6. Ascites:

 Yes
 No
 Not Recorded

7. Jaundice:

 Yes
 No
 Not Recorded

8. Foley Catheter:

 Yes
 No
 Not Recorded

9. Fluid overload noted from chest X-ray:

 Yes
 No
 X-Ray Not Done
 Inconclusive

10. Surgical status:

 Emergency
 Elective
 None
 Not Recorded

11. Source of infection?

 Known
 Suspected
 None
 Not Recorded

12. If infectious source known or suspected, check all that apply:

<input type="checkbox"/> Urinary Tract	<input type="checkbox"/> Lung	<input type="checkbox"/> GI Tract
<input type="checkbox"/> Blood	<input type="checkbox"/> CSF	<input type="checkbox"/> Skin
<input type="checkbox"/> Joint	<input type="checkbox"/> Other	

13. Cultures done?

 Yes
 No

Genomics of Drug Induced Renal Injury (DIRI): Risk Factors

DR1 - CRF 05 Patient ID: [] [] [] [] [] [] Coordinator ID: [] [] [] [] [] [] Form ID: [] [] [] [] [] [] - [] [] [] [] [] []

1. Date: [] [] / [] [] / [] [] [] [] (mm/dd/yyyy)

2. Time: [] [] : [] [] (24-hour clock)

3. Did patient have any of the following risk factors for AKI in the last 72 hours or since the last time point? Yes No

If Yes, please answer in detail to each of the following seven risk categories:

a. Procedures requiring intravascular contrast agents: Yes No

If Yes, please check all that apply in the following and for each checked item please also provide the date/time of the procedure and the amount of contrast agents:

01-01 CONTRAST - INTRAVENOUS Date: [] [] / [] [] / [] [] [] [] Time: [] [] : [] [] Amount: [] [] ml NA

01-02 CONTRAST - CARDIAC CATH Date: [] [] / [] [] / [] [] [] [] Time: [] [] : [] [] Amount: [] [] ml NA

01-03 CONTRAST - INTRAARTERIAL Date: [] [] / [] [] / [] [] [] [] Time: [] [] : [] [] Amount: [] [] ml NA

b. Nephrotoxic agents: Yes No

If Yes, please check all that apply in the following:

- 02-01 TRANSPLANT MEDS
02-02 NON-PRESCRIPTION MEDS
02-03 CHEMOTHERAPY
02-04 IV DRUG ABUSE
02-05 AMINOGLYCOSIDES
02-06 ANTIBIOTICS OTHER THAN AMINOGLYCOSIDES
02-07 NSAIDS (EXCLUDING ASPIRIN)
02-08 RHABDOMYOLYSIS
02-09 IV HEMOLYSIS
02-10 ANESTHETIC AGENTS
02-11 ACEI/ARBs
02-12 OTHER PRESCRIPTION MEDS

c. Surgical procedures requiring general anesthesia: Yes No

If Yes, please check all that apply in the following:

- CARDIAC SURGERY
03-01 CABG ALONE
03-02 VALVE ALONE
03-03 COMBINED CABG & VALVE
03-04 OTHER

- VASCULAR CAUSES
04-01 DISSECTING ANEURYSMS
04-02 ANEURYSM REPAIR
04-04 VASCULAR (UNSPECIFIED)
04-05 VASCULAR SURGERY - CAROTID

- 04-06 VASCULAR SURGERY - PERIPHERAL VASCULAR DISEASE

- OTHER SURGERY
05-01 SOLID ORGAN TRANSPLANT
05-03 OTHER

d. MAP < 65 mmHg for more than 60 minutes if monitored, or SBP < 90 mmHg if not monitored:

Yes No

e. Additional risk factors for AKI: Yes No

If Yes, please check all that apply in the following:

- INTRAVASCULAR FLUID LOSS
06-01 HEMORRHAGE
06-02 DIC
06-03 BURNS
06-04 HYPOVOLEMIA
06-05 HYPOALB (< 3 g/dL or 30 g/L)

- INCREASED VASCULAR CAPACITY
07-01 SEPSIS
07-02 ANAPHYLACTIC REACTIONS
07-03 LOSS OF SYMPATHETIC TONE
07-04 LOSS OF AUTOREGULATION
07-05 ANESTHESIA
07-06 HYPOTENSION FROM OTHER CAUSES; MAP < 65

- CARDIAC FAILURE
08-01 MI
08-02 CHF
08-03 PUL EMBOLUS
08-04 VALVE FAILURE
08-05 CARDIOGENIC SHOCK
08-06 ARRHYTHMIA
08-07 TAMPONADE

--- Continued from risk category e ---

- LIVER DISEASES
09-01 HEPATORENAL SYNDROME
09-02 HYPOALB (< 3 g/dL or 30 g/L)
09-03 CIRRHOSIS
09-04 HEPATITIS
09-05 HEPATIC DISEASE (UNSPECIFIED)

- ECF LOSSES
10-01 VOMITING
10-02 DIARRHEA
10-03 DIABETES INSIPIDUS
10-04 ADRENAL INSUFFICIENCY
10-05 DEHYDRATION

- OTHER PROCEDURES
11-01 SWAN GANZ PLACEMENT
11-02 CARDIAC PROCEDURES
11-03 ECMO/ECOR
11-04 CHEST TUBE PLACEMENT
11-05 BRONCHOSCOPY
11-06 THORACENTESIS
11-07 PARACENTESIS
11-08 BURN PROCEDURES
11-09 RADIOLOGIC PROCEDURES
11-10 HYPERBARIC TREATMENTS
11-11 INTERNAL ORGAN BIOPSY
11-12 PLASMAPHERESIS
11-13 TIPS
11-14 EGD/COLONOSCOPY
11-15 LP/ICP MONITORING
11-16 LVAD
11-17 PLACEMENT OF PACEMAKER

f. RBC transfusion: Yes No

g. Hyperglycemia: (blood sugar >110mg/dL or 6.05 mmol/L, or patient is on insulin.)

Yes No

Genomics of Drug Induced Renal Injury (DIRI): Vitals, Labs, I&O

Patient ID:

Coordinator ID:

Form ID:

-

DIRI - CRF 06

1. Date: / / (mm/dd/yyyy)

2. Time: : (24-hour clock)

3. Was patient in ICU on this day? Yes No

Note: The date and time of entry will be the actual time documented for the BUN and Creatinine results from the lab reports in the patient's medical records. All other lab values may be collected for up to a window of +/- 4 hours from the time of the BUN/Creatinine collection.

NA = Data Not Available/Unknown: This Box must be marked for missing values.

Vital Signs

NA

4. Temperature: . F C

5. Systolic BP: mmHg

6. Diastolic BP: mmHg

7. Heart Rate: bpm

8. Respiratory Rate: bpm

9. Weight: . kg

Vital Signs (For ICU patients only)

NA

10. FIO2: . Frac L/min

11. CVP: mmHg

12. PAWP: mmHg

13. Cardiac Output: . L/min

14. O2 Apparatus:

- Vent Mask Cannula Trach Collar
- CPAP None Other

15. pH: .

16. paO2: mmHg

17. paCO2: mmHg

18. Neurological State - Eye:

19. Neurological State - Verbal:

20. Neurological State - Motor:

Labs

NA

21. Na: mEq/L (mmol/L)

22. K: . mEq/L (mmol/L)

23. Cl: mEq/L (mmol/L)

24. HCO3: . mEq/L (mmol/L)

25. BUN: . mg/dL mmol/L

26. Creatinine: . mg/dL umol/L

27. Glucose: . mg/dL mmol/L

28. Total Ca: . mg/dL mmol/L

29. Ionized Ca: . mg/dL mmol/L

30. PO4: . mg/dL mmol/L

31. Mg: . mg/dL mmol/L

32. Albumin: . g/dL g/L

33. Total Bilirubin: . mg/dL umol/L

34. Direct Bilirubin: . mg/dL umol/L

Labs (--- continued ---)

NA

35. ALT (SGPT): IU/L

36. AST (SGOT): IU/L

37. ALP: IU/L

38. WBC: . $10^3/mm^3$ ($10^9/L$)

39. Bands: . %

40. Eosinophils: . %

41. Hemoglobin: . g/dL g/L

42. HCT: . %

43. Platelets: $10^3/mm^3$ ($10^9/L$)

44. PT: . second

45. PTT: . second

46. INR: .

47. Lactate Level: . mg/dL mmol/L

Patient ID:

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Form ID:

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DR1 - CRF 06

Intake & Output

48. Was patient on dialysis today (includes days between intermittent dialysis)?

- Yes No No Data

49. Was I&O collection done for the day?

- Yes No

If no I&O collection, please state reason:

--

50. I&O Collection Times:

Start Date/Time:

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 /

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 /

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 (mm/dd/yyyy)

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 (24-hr clock)

Stop Date/Time:

--	--

 /

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 /

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 (mm/dd/yyyy)

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 :

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 (24-hr clock)

Intake	Output																																												
<p>51. PO: <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table> ml <u>NA</u> <input type="checkbox"/></p> <p>52. NG: <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table> ml <input type="checkbox"/></p> <p>53. IV: <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table> ml <input type="checkbox"/></p> <p>54. Other Intake: <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table> ml <input type="checkbox"/></p> <p>55. Total Intake: <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table> ml <input type="checkbox"/></p>																					<p>56. Urine: <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table> ml <input type="checkbox"/></p> <p>57. Stool: <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table> ml <input type="checkbox"/></p> <p>58. NG: <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table> ml <input type="checkbox"/></p> <p>59. Wounds&Drains: <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table> ml <input type="checkbox"/></p> <p>60. Other Output: <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table> ml <input type="checkbox"/></p> <p>61. Total Output: <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table> ml <input type="checkbox"/></p>																								

Patient ID:

Coordinator ID:

Form ID:
 -

DIRI - CRF 07

1. Urinalysis done? Yes No
 If Yes, please enter data in the Urinalysis section.
2. Urine chemistry done? Yes No
 If Yes, please enter data in the Urine Chemistry section.

Urinalysis

3. Date: / / (mm/dd/yyyy)
4. Time: : (24hr clock)
5. Specific Gravity: . NA
6. pH: . NA
7. Protein: Negative Trace 1+ 2+ 3+ 4+ NA
8. Glucose: Negative Trace 1+ 2+ 3+ 4+ NA
9. WBC: Rare 0-2 3-5 6-10 11-20 21-50 >50 NA
10. RBC: Rare 0-2 3-5 6-10 11-20 21-50 >50 NA
11. Urinary Sediments: (check all that apply)
- | | | |
|--|--|---|
| <input type="checkbox"/> Hyaline Cast | <input type="checkbox"/> Granular Cast | <input type="checkbox"/> RBC Cast |
| <input type="checkbox"/> Cellular Cast | <input type="checkbox"/> WBC Cast | <input type="checkbox"/> Hgb Cast |
| <input type="checkbox"/> Fatty Cast | <input type="checkbox"/> Waxy Cast | <input type="checkbox"/> Tubular Broad Cast |
12. Eosinophils: Present Absent No Data

Urine Chemistry

13. Type of Urine Collection: Timed Spot **Note:** (1) For **Timed** collection, enter both the Start and Stop Dates/Times.
 (2) For **Spot** collection, enter only the Start date/time.
14. Urine Collect Start Date/Time: / / (mm/dd/yyyy) : (24-hour clock)
15. Urine Collect Stop Date/Time: / / (mm/dd/yyyy) : (24-hour clock)
16. Urine Total: ml NA
17. Na: mEq/L (mmol/L) NA
18. K: mEq/L (mmol/L) NA
19. Cl: mEq/L (mmol/L) NA
20. Ca: . mg/dL NA
 mmol/L
21. PO4: . mg/dL NA
 mmol/L
22. Urea Nitrogen: . mg/dL NA
 mmol/L
23. Protein: mg/dL NA
 mg/L
24. Creatinine: . mg/dL NA
 umol/L
25. Osmolality: mOsm/L NA
26. Albumin: . mg/dL NA
 mg/L

Patient ID:

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Coordinator ID:

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Form ID:

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DR1 - CRF 08

1. Has the patient received RRT in the last 72 hours or since the last time point if less than 72 hours?

Yes No

2. Reasons to start/pursue RRT: (Check all that apply)

- 01-01 Hyperkalemia
 01-02 Acidemia
 01-03 Electrolyte Disturbance
 01-04 Progressive Azotemia
 01-05 Uremic Manifestations
 01-06 Oliguria (<400 ml/24h)
 01-07 Fluid Overload
 01-08 Volume Status Unable to Accomodate Demands for Fluid
 01-09 Compromised Cardiac, Respiratory or Liver Status
 01-10 Intoxication
 01-11 Non-recovery of Renal Function
 01-12 Other

3. Type of RRT procedure:

- IHD CVVH CVVHD CVVHDF
 SLED UF Only PD

4. RRT Start Date/Time:

			/				/						(mm/dd/yyyy)
--	--	--	---	--	--	--	---	--	--	--	--	--	--------------

		:			(24hr clock)
--	--	---	--	--	--------------

5. Was CRRT temporarily stopped in the last 72 hours or since the last time point if less than 72 hours?

Yes No

If Yes, answer the following questions:

a. RRT Stop Date/Time:

			/				/						(mm/dd/yyyy)
--	--	--	---	--	--	--	---	--	--	--	--	--	--------------

		:			(24hr clock)
--	--	---	--	--	--------------

6. Was RRT definitely stopped in the last 72 hours or since the last time point if less than 72 hours?

Yes No

If Yes, answer the following questions:

a. RRT Stop Date/Time:

			/				/						(mm/dd/yyyy)
--	--	--	---	--	--	--	---	--	--	--	--	--	--------------

		:			(24hr clock)
--	--	---	--	--	--------------

b. Reasons for RRT discontinuation: (Check all that apply)

- 03-01 Renal recovery
 03-02 Death
 03-03 Withdrawal of treatment
 03-04 Other

Genomics of Drug Induced Renal Injury (DIRI): Drug Dosing

Patient ID:

Coordinator ID:

Form ID: -

DIRI - CRF 09

1. Information about this drug as recorded in screening log:

a. Drug ID:

b. Drug Full Name:

c. Drug Trade Name:

d. Start Date/Time: / / (mm/dd/yyyy) : (24hr clock)

e. Dose Reduction or Drug Stop Date/Time: / / (mm/dd/yyyy) : (24hr clock) NA

2. Is serum drug concentration available? Yes No

3. Has the patient previously received this drug (in any dose or route) during a previous hospital admission or as part of previous outpatient treatment?

Yes No Unknown

If Yes, please answer the following questions:

a. Did the patient experience adverse events related to kidney injury?

Yes No Unknown NA

b. Did the patient recover and kidney related AE resolve?

Yes No Unknown NA

Drug Dose History (in chronological order)

4. Episode 1

a. Start: / / (mm/dd/yyyy)
 : (24hr clock)

b. End: / / (mm/dd/yyyy)
 : (24hr clock)

c. Dose: . mg gram mcg
 Other : _____

d. Freq: . hr

e. Route: PO IM IV SQ PR
 Other : _____

f. Concentration: . mcg/mL
 Other : _____

Date : / / (mm/dd/yyyy)

Time : : (24hr clock)

g. Trough Conc: Yes No Unknown

5. Episode 2

a. Start: / / (mm/dd/yyyy)
 : (24hr clock)

b. End: / / (mm/dd/yyyy)
 : (24hr clock)

c. Dose: . mg gram mcg
 Other : _____

d. Freq: . hr

e. Route: PO IM IV SQ PR
 Other : _____

f. Concentration: . mcg/mL
 Other : _____

Date : / / (mm/dd/yyyy)

Time : : (24hr clock)

g. Trough Conc: Yes No Unknown

6. Episode 3

a. Start: / / (mm/dd/yyyy)
 : (24hr clock)

b. End: / / (mm/dd/yyyy)
 : (24hr clock)

c. Dose: . mg gram mcg
 Other : _____

d. Freq: . hr

e. Route: PO IM IV SQ PR
 Other : _____

f. Concentration: . mcg/mL
 Other : _____

Date : / / (mm/dd/yyyy)

Time : : (24hr clock)

g. Trough Conc: Yes No Unknown

DIRI - CRF 09

Patient ID:

--	--	--	--	--	--

Form ID:

						-					
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7. Episode 4

a. Start:

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 (mm/dd/yyyy)

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 (24hr clock)

b. End:

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 /

--	--

 /

--	--	--	--	--	--

 (mm/dd/yyyy)

--	--

 :

--	--

 (24hr clock)

c. Dose:

--	--	--	--	--	--

 .

--	--

 mg gram mcg
 Other : _____

d. Freq:

--	--

 .

--	--

 hr

e. Route: PO IM IV SQ PR
 Other : _____

f. Concentration:

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 .

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 mcg/mL
 Other : _____

Date :

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 /

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 /

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 (mm/dd/yyyy)

Time :

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 (24hr clock)

g. Trough Conc: Yes No Unknown

8. Episode 5

a. Start:

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 (mm/dd/yyyy)

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 (24hr clock)

b. End:

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 /

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 /

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 (mm/dd/yyyy)

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 :

--	--

 (24hr clock)

c. Dose:

--	--	--	--	--	--

 .

--	--

 mg gram mcg
 Other : _____

d. Freq:

--	--

 .

--	--

 hr

e. Route: PO IM IV SQ PR
 Other : _____

f. Concentration:

--	--

 .

--	--

 mcg/mL
 Other : _____

Date :

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 /

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 /

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 (mm/dd/yyyy)

Time :

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--	--

 (24hr clock)

g. Trough Conc: Yes No Unknown

9. Episode 6

a. Start:

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 (mm/dd/yyyy)

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 (24hr clock)

b. End:

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 /

--	--

 /

--	--	--	--	--	--

 (mm/dd/yyyy)

--	--

 :

--	--

 (24hr clock)

c. Dose:

--	--	--	--	--	--

 .

--	--

 mg gram mcg
 Other : _____

d. Freq:

--	--

 .

--	--

 hr

e. Route: PO IM IV SQ PR
 Other : _____

f. Concentration:

--	--

 .

--	--

 mcg/mL
 Other : _____

Date :

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 /

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 /

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 (mm/dd/yyyy)

Time :

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 (24hr clock)

g. Trough Conc: Yes No Unknown

10. Episode 7

a. Start:

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 (mm/dd/yyyy)

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 (24hr clock)

b. End:

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 /

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 (mm/dd/yyyy)

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 :

--	--

 (24hr clock)

c. Dose:

--	--	--	--	--	--

 .

--	--

 mg gram mcg
 Other : _____

d. Freq:

--	--

 .

--	--

 hr

e. Route: PO IM IV SQ PR
 Other : _____

f. Concentration:

--	--

 .

--	--

 mcg/mL
 Other : _____

Date :

--	--

 /

--	--

 /

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 (mm/dd/yyyy)

Time :

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 :

--	--

 (24hr clock)

g. Trough Conc: Yes No Unknown

11. Episode 8

a. Start:

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 (mm/dd/yyyy)

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 (24hr clock)

b. End:

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 /

--	--

 /

--	--	--	--	--	--

 (mm/dd/yyyy)

--	--

 :

--	--

 (24hr clock)

c. Dose:

--	--	--	--	--	--

 .

--	--

 mg gram mcg
 Other : _____

d. Freq:

--	--

 .

--	--

 hr

e. Route: PO IM IV SQ PR
 Other : _____

f. Concentration:

--	--

 .

--	--

 mcg/mL
 Other : _____

Date :

--	--

 /

--	--

 /

--	--	--	--	--	--

 (mm/dd/yyyy)

Time :

--	--

 :

--	--

 (24hr clock)

g. Trough Conc: Yes No Unknown

DR1 - CRF 09

Patient ID:

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Form ID:

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12. Episode 9

a. Start:

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 (mm/dd/yyyy)

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 (24hr clock)

b. End:

--	--

 /

--	--

 /

--	--	--	--	--	--

 (mm/dd/yyyy)

--	--

 :

--	--

 (24hr clock)

c. Dose:

--	--	--	--	--

 .

--	--

 mg gram mcg
 Other : _____

d. Freq:

--	--

 .

--	--

 hr

e. Route: PO IM IV SQ PR
 Other : _____

f. Concentration:

--	--

 .

--	--

 mcg/mL
 Other : _____

Date :

--	--

 /

--	--

 /

--	--	--	--

 (mm/dd/yyyy)

Time :

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 (24hr clock)

g. Trough Conc: Yes No Unknown

13. Episode 10

a. Start:

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 (mm/dd/yyyy)

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--	--

 (24hr clock)

b. End:

--	--

 /

--	--

 /

--	--	--	--	--	--

 (mm/dd/yyyy)

--	--

 :

--	--

 (24hr clock)

c. Dose:

--	--	--	--	--

 .

--	--

 mg gram mcg
 Other : _____

d. Freq:

--	--

 .

--	--

 hr

e. Route: PO IM IV SQ PR
 Other : _____

f. Concentration:

--	--

 .

--	--

 mcg/mL
 Other : _____

Date :

--	--

 /

--	--

 /

--	--	--	--

 (mm/dd/yyyy)

Time :

--	--

 :

--	--

 (24hr clock)

g. Trough Conc: Yes No Unknown

DR1 - CRF 10

Patient ID:

--	--	--	--	--	--

Coordinator ID:

--	--	--	--	--	--

Form ID:

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1. Did patient complete full study?
 Yes No
2. What was the last time point that was completed?

- Day of DIRI
 Peak SCr or Peak Severity of Injury
 Drug Stop or Dose Reduction
 Nadir SCr or Resolution of Event
 Hospital Discharge or Last Clinical Visit

Inpatient Hospital Discharge or Outpatient Last Clinic Visit Status
3. Discharge or Last Visit Date:

--	--

 /

--	--

 /

--	--	--	--

 (mm/dd/yyyy)

4. Alive? Yes No

5. Required dialysis? Yes No

6. Serum Creatinine:

--	--	--	--

 .

--	--

 mg/dL
 (Recorded on day closest to discharge) umol/L

7. Creatinine Date:

--	--

 /

--	--

 /

--	--	--	--

 (mm/dd/yyyy)
Dialysis Status
8. Was patient ever on dialysis during this study period? Yes No

If Yes, answer the following questions:

a. First day of dialysis:

--	--

 /

--	--

 /

--	--	--	--

 (mm/dd/yyyy)

b. Last day of dialysis:

--	--

 /

--	--

 /

--	--	--	--

 (mm/dd/yyyy)

c. Type of dialysis: (Check all that apply.)

 IHD CVVH CVVHD CVVHDF SLED UF Only PD

DR1 - CRF 11

Patient ID:

Coordinator ID:

Form ID:

1. Date:
 /
 /

 (mm/dd/yyyy)

2. Which follow-up?

 Day 28 Day 90

3. Who supplied follow-up information?

 Patient Surrogate Medical Record

4. Is patient alive?

 Yes No Unknown

5. If patient is alive, is patient dialysis dependent?

 Yes No Unknown

If patient is not dialysis dependent, please enter patient data obtained from patient's recent outpatient medical record or from current physician:

6. Source of Data:

 Medical Record Current Physician

7. BUN:

 .
 mg/dL NA

 mmol/L

8. Creatinine:

 .
 mg/dL NA

 umol/L

9. Date of Data Recorded:

 /
 /

 (mm/dd/yyyy) NA

DR1 - CRF 12

1. Patient ID:

2. Coordinator ID:

Affix Kit ID bar code label in box

Lab Kit ID

Sample A - Serum Mark if not collected

3. Date Collected:

 / / (mm/dd/yyyy)

4. Time Collected:

 : (24-hour clock)

5. Volume Collected:

 . ml

6. Number of Aliquots:

7. Day Frozen:

 Day after Collection Date Same as Collection Date

8. Time Frozen:

 : (24-hour clock)Sample C - Whole Blood Mark if not collected

9. Date Collected:

 / / (mm/dd/yyyy)

10. Time Collected:

 : (24-hour clock)

11. Volume Collected:

 . ml

12. Number of Aliquots:

13. Day Frozen:

 Day after Collection Date Same as Collection Date

14. Time Frozen:

 : (24-hour clock)Sample E - Urine Mark if not collected

15. Date Collected:

 / / (mm/dd/yyyy)

16. Time Collected:

 : (24-hour clock)

17. Volume Collected:

 ml

18. Number of Aliquots:

19. Day Frozen:

 Day after Collection Date Same as Collection Date

20. Time Frozen:

 : (24-hour clock)

Genomics of Drug Induced Renal Injury (DIRI) : Clinical Data Review

Patient ID:

--	--	--	--	--	--

Coordinator ID:

--	--	--	--	--	--

Form ID:

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 -

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DIRI - CRF 14

Case Summary

a. Patient Location: Inpatient Outpatient

e. DIRI Phenotype: AKI Glomerular Disorder

b. Gender: Male Female

f. Study drugs that met DIRI criteria:

c. Age:

--	--

i.

--

d. Race:

--

ii.

--

iii.

--

Case Review

1. Date of Review:

--	--

 /

--	--

 /

--	--	--	--	--	--

 (mm/dd/yyyy)

2. Does the patient case have sufficient clinical data for adjudication?

Yes ----> If Yes, please assign adjudicators for this case and accept the patient into official adjudication process.

No ----> If No, please document all action items required for site coordinator to resolve the issues.

Adjudicator Assignment

3. Adjudicator 1:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

4. Adjudicator 2:

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5. Adjudicator 3:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Action Items

6. Action Item 1: Request for resolution Submit for review **Resolved**

a.

[Review]

b.

[Response]

7. Action Item 2: Request for resolution Submit for review **Resolved**

a.

[Review]

b.

[Response]

8. Action Item 3: Request for resolution Submit for review **Resolved**

a.

[Review]

b.

[Response]

Patient ID:

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Form ID:

						-					
--	--	--	--	--	--	---	--	--	--	--	--

DIRI - CRF 14

9. Action Item 4: Request for resolution Submit for review Resolved

a. [Review]

b. [Response]

10. Action Item 5: Request for resolution Submit for review Resolved

a. [Review]

b. [Response]

11. Action Item 6: Request for resolution Submit for review Resolved

a. [Review]

b. [Response]

12. Action Item 7: Request for resolution Submit for review Resolved

a. [Review]

b. [Response]

13. Action Item 8: Request for resolution Submit for review Resolved

a. [Review]

b. [Response]

Patient ID:

--	--	--	--	--	--

Form ID:

						-					
--	--	--	--	--	--	---	--	--	--	--	--

DR1 - CRF 14

14. Action Item 9: Request for resolution Submit for review Resolved

a. [Review]

b. [Response]

15. Action Item 10: Request for resolution Submit for review Resolved

a. [Review]

b. [Response]

Patient ID:

Grid for Patient ID

Form ID:

Grid for Form ID

DIRI - CRF 15

1. Adjudicator ID: [Grid]

2. Date of Review: [Grid] / [Grid] / [Grid] (mm/dd/yyyy)

3. a. Phenotype and DIRI criteria that was used to determine patient's eligibility for enrollment with this study:

- AKI phenotype with AKIN stage 2 criteria based on rising serum creatinine (based on time course and magnitude of creatinine change)
○ AKI phenotype with AKIN stage 2 criteria based on declining serum creatinine (based on time course and magnitude of creatinine change)
○ Glomerular disorder phenotype (based on biopsy)

b. Study Drugs:

Table with 5 columns: NA, Drug ID, Drug Name, Met DIRI Criteria. Rows for Drug 1, Drug 2, Drug 3.

4. Assessment Tools

a. Naranjo Scores (Naranjo CA, Busto U, Sellers EM, et al. A method for estimating the probability of adverse drug reactions. Clin. Pharmacol. Ther. 1981;30:239-245.)

Naranjo scores of 9 - 10 indicate that event was "definitely" an ADR; scores of 5 - 8 rate the likelihood as "probable"; scores of 1 - 4 are "possible"; and scores of less than 1 are "doubtful".

Table with 7 columns: Question, Question Points (Yes, No, DoNot Know), Subscores (Drug 1, Drug 2, Drug 3). 10 assessment questions and a summary row.

Patient ID:

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Form ID:

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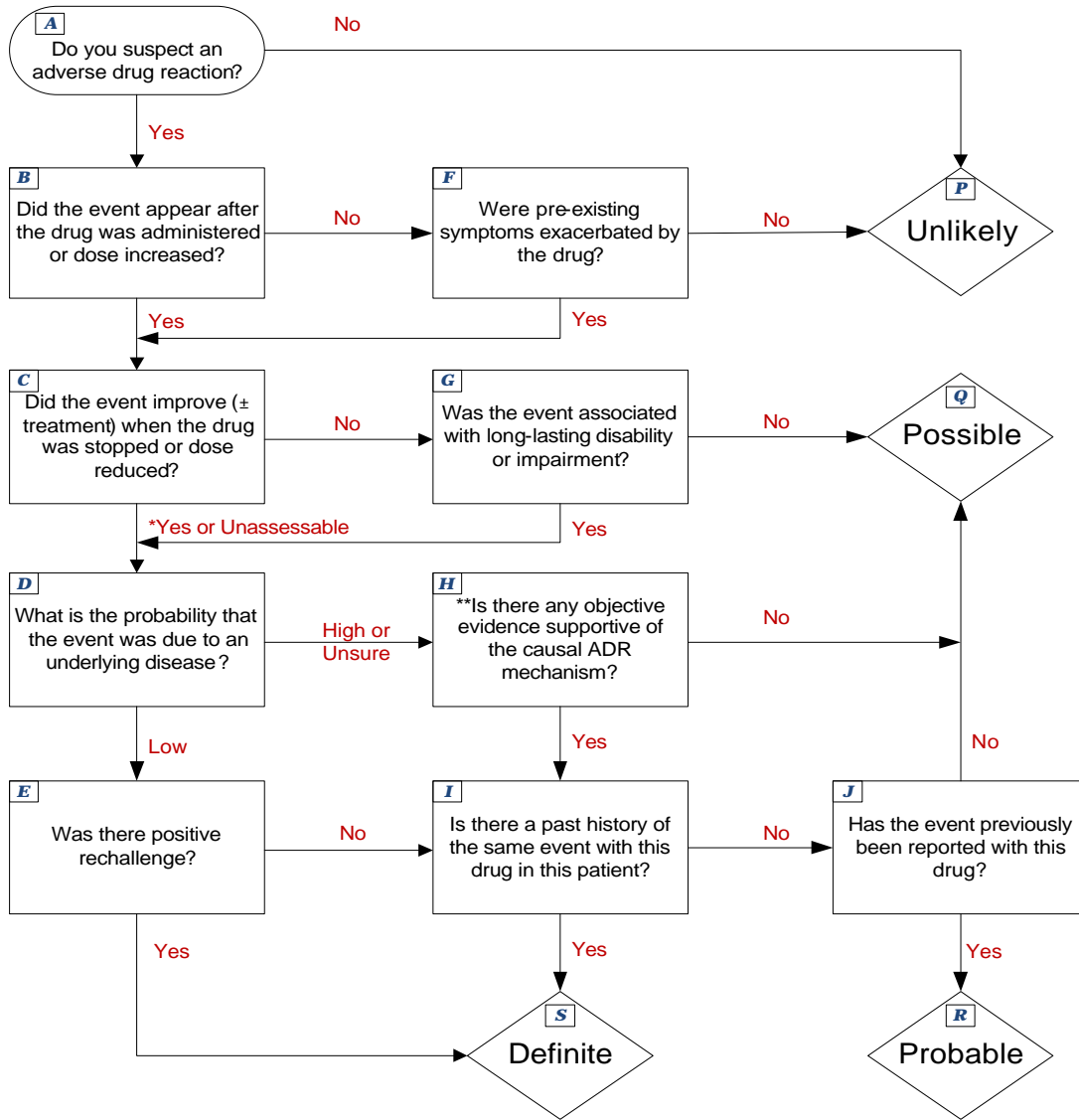
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4. Assessment Tools (--- continued from Page 1 ---)

b. Liverpool Adverse Drug Reaction Causality Assessment Tool (DOI: 10.1371/journal.pone.0028096)



Apply the Liverpool ADR assessment tool to construct the decision paths and determine the likelihood of ADR associated with the drugs. Decision path is a sequence of tag letters (at the upper left corner of each question box) which represents an unbroken chain of path from box A to one of the final assessment results.

	Decision Path	Result												
Drug 1	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table>													<input type="radio"/> Unlikely <input type="radio"/> Possible <input type="radio"/> Probable <input type="radio"/> Definite
Drug 2	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table>													<input type="radio"/> Unlikely <input type="radio"/> Possible <input type="radio"/> Probable <input type="radio"/> Definite
Drug 3	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table>													<input type="radio"/> Unlikely <input type="radio"/> Possible <input type="radio"/> Probable <input type="radio"/> Definite

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5. Event attributable to drug and if so what level of certainty (use Naranjo scores and Liverpool assessment tool in #4):

Assessment	Drug 1	Drug 2	Drug 3	Underlying and Concomitant Risk Factors															
Likely Cause to ADR	<input type="radio"/> Unlikely <input type="radio"/> Possible <input type="radio"/> Probable <input type="radio"/> Definite	<input type="radio"/> Unlikely <input type="radio"/> Possible <input type="radio"/> Probable <input type="radio"/> Definite	<input type="radio"/> Unlikely <input type="radio"/> Possible <input type="radio"/> Probable <input type="radio"/> Definite	<input type="radio"/> Unlikely <input type="radio"/> Possible <input type="radio"/> Probable <input type="radio"/> Definite															
Percent Contribution (add to 100%) Total = <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> %				<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> %				<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> %				<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> %				<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> %			
Type of Event A: Drug Toxicity B: Hypersensitivity	<input type="radio"/> Drug Toxicity <input type="radio"/> Hypersensitivity	<input type="radio"/> Drug Toxicity <input type="radio"/> Hypersensitivity	<input type="radio"/> Drug Toxicity <input type="radio"/> Hypersensitivity																

6. Relative contribution of various categories of risk factors (reported in CRF05) in relation to drug exposure:

Risk Factors	Percent contribution of individual risk factor category to overall risk (total among risk factors should be 100%)			
a. Procedures requiring intravascular contrast agents	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> %			
b. Nephrotoxic agents	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> %			
c. Surgical procedures requiring general anesthesia	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> %			
d. MAP < 65 mmHg for more than 60 minutes if monitored, or SBP < 90 mmHg if not monitored	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> %			
e. Additional risk factors for AKI (intravascular fluid loss, increased vascular capacity, cardiac failure, liver diseases, ECF losses, other procedures)	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> %			
f. RBC transfusion	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> %			
g. Hyperglycemia	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> %			
Total =	<table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td><td style="width: 20px; height: 20px;"></td></tr></table> %			

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Adjudication Result:

7. DIRI confirmed? Yes No Need More Information

If No, why?

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If Need More Information, please list below:

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