

**DEPARTMENT OF HEALTH AND HUMAN SERVICES
FOOD AND DRUG ADMINISTRATION**

DISTRICT ADDRESS AND PHONE NUMBER 6000 Metro Drive, Suite 101 Baltimore, MD 21215 (410)779-5455 Fax: (410)779-5707	DATE(S) OF INSPECTION 9/12/2016-10/3/2016*
	FEI NUMBER 3012718293

NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED
Kieron M. Dunleavy, MD

FIRM NAME Kieron Dunleavy	STREET ADDRESS National Institutes of Health, Building 10, Room 4n115
CITY, STATE, ZIP CODE, COUNTRY Bethesda, MD 20892-0001	TYPE ESTABLISHMENT INSPECTED Clinical Investigator

This document lists observations made by the FDA representative(s) during the inspection of your facility. They are inspectional observations, and do not represent a final Agency determination regarding your compliance. If you have an objection regarding an observation, or have implemented, or plan to implement, corrective action in response to an observation, you may discuss the objection or action with the FDA representative(s) during the inspection or submit this information to FDA at the address above. If you have any questions, please contact FDA at the phone number and address above.

DURING AN INSPECTION OF YOUR FIRM WE OBSERVED:

OBSERVATION 1

An investigation was not conducted in accordance with the signed statement of investigator and investigational plan.

Specifically,

- A. Protocol 14-C-0157-9577 (TEDDI-R) requires any Grade 3 to Grade 5 serious adverse events (SAE) be reported to the sponsor, whether or not they are considered related to the investigational drugs/intervention via CTEP-AERS within 24 hours of learning of the AE, following by a complete expedited report within 5 calendar days of the initial 24-hour report. In addition, Grade 1 or Grade 2 SAEs, resulting in hospitalization for 24 hours or greater must be reported to the sponsor within 10 calendar days. The following SAEs were not reported to the sponsor within the timeframe required by the protocol:

SAE	Date of Event	Date CI Became Aware	Date Reported to Sponsor	Days Elapsed
Subject 1010003 [REDACTED]				
Grade 3 Lung Infection – Pneumonia	December 8, 2014	December 8, 2014	February 25, 2015	79 days

AMENDMENT 1

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		<input checked="" type="checkbox"/> John Dan John Dan Investigator Signed by: John Dan-S	

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Pantocytopenia: Grade 3 Anemia, Grade 4 Decreased Platelet Count Grade 4 Decreased Neutrophil Count	December 8, 2014	December 8, 2014	February 25, 2015	79 days
Grade 3 Diarrhea	December 30, 2014	January 20, 2015	March 4, 2015	43 days
Grade 2 flu-like symptoms, resulted in hospitalization from December 30, 2014 to January 11, 2015	December 30, 2014	January 20, 2015	March 4, 2015	43 days
Grade 4 Lung Infection – pneumonia	March 9, 2015	March 23, 2015	April 1, 2015	9 days
Grade 3 Diarrhea	March 5, 2015	March 23, 2015	April 1, 2015	9 days
Grade 4 sepsis	March 8, 2015	March 23, 2015	April 1, 2015	9 days
Death	March 21, 2015	March 23, 2015	April 1, 2015	9 days
Subject 1010009 ([REDACTED])				
Grade 4 Lung	May 3, 2015	May 4, 2015	May 13, 2015	9 days

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Infections - pneumocystis and aspergillus infections				
Grade 4 Sepsis	May 4, 2015	May 4, 2015	May 13, 2015	9 days
Death	May 16, 2015	May 16, 2015	August 5, 2015	81 days

Subject 1010011 (████)

Grade 3 Lung Infection-suspected aspergillosis	November 4, 2015	December 7, 2015	May 25, 2016	170 days
Grade 4 mucositis	September 3, 2015	September 14, 2015	Not reported	
Grade 3 Hand Foot Syndrome	August 21, 2015	September 14, 2015	Not reported	
Grade 3 mucositis	July 25, 2015	August 3, 2015	Not reported	

Subject 1010015 (████)

Grade 3 Aspergillus Lung Infection	March 2, 2016	March 2, 2016	May 25, 2016	84 days
Grade 4 Decreased Platelet Count	March 28, 2016	April 7, 2016	Not reported	

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Grade 4 Anemia	March 28, 2016	April 7, 2016	Not reported	
Grade 3 Pneumocystis jiroveci (PCP) pneumonia	February 24, 2016	February 24, 2016	May 25, 2016	91 days
Subject 1010001 (████)				
Grade 3 Syncope	January 16, 2015	January 27, 2015	February 27, 2015	32 days
Subject 1010004 (████)				
Death	March 10, 2015	March 10, 2015	March 17, 2015	7 days
Subject 1010005 (████)				
Grade 3 Lung infection	April 2, 2015	April 22, 2015	June 30, 2016	456 days
Subject 1010006 (████)				
Grade 4 Febrile Neutropenia	May 5, 2015	May 14, 2015	Not reported	
Grade 4 Febrile Neutropenia	May 27, 2015	June 9, 2015	Not reported	
Subject 1010012 (████)				

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Grade 3 Febrile Neutropenia with important medical events resulting in hospitalization December 12, 2015 to December 16, 2015	December 12, 2015	January 4, 2016	Not reported	
Subject 1010013 (████)				
Grade 3 encephalitis infection	November 22, 2015	November 23, 2015	November 27, 2015	4 days
Subject 1010014 (████)				
Grade 3 Lung Infection	January 19, 2016	May 9, 2016	May 31, 2016	23 days
Grade 4 Febrile Neutropenia	February 23, 2016	March 1, 2016	Not reported	

B. Protocol 14-C-0157-9577 (TEDDI-R) requires all Events of Special Interest be reported to the sponsor via CTEP-AERS within 24 hours of awareness even if they do not meet serious criteria. The protocol lists major hemorrhage as an Event of Special Interest and notes GI bleed as an example of major hemorrhage. On May 18, 2016, Subject 1010015 (████) experienced Grade 3 GI Bleed and received blood and platelet transfusions; however, this Event of Special Interest was not reported to the sponsor as required by the protocol.

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C. Protocol 14-C-0157-9577 (TEDDI-R) requires NCI-IRB expedited reporting of unanticipated problems, and death. The protocol Principal Investigator will report to NCI-IRB: all deaths except death due to progressive disease; all protocol violations or deviations; all unanticipated problems; and all serious non-compliance. Reports must be received by the NCI-IRB within 7 working days of Principal Investigator awareness via iRIS. The following unanticipated problems and deaths were not reported to the NCI-IRB within the timeframe required by the protocol:

Unanticipated Problem/Death	Date of Event	Date CI Became Aware	Date Reported to NCI-IRB	Working Days Elapsed
Subject 1010003 (████)				
Death	March 21, 2015	March 23, 2015	April 2, 2015	8 days
Subject 1010004 (████)				
Death	March 10, 2015	March 10, 2015	Not reported	
Subject 1010006 (████)				
Serious protocol deviation- patient took 11 extra drug doses	March 17, 2015	March 17, 2015	April 6, 2015	14 days
Subject 1010007 (████)				
Death	May 12, 2015	May 12, 2015	June 8, 2015	18 days
Subject 1010009 (████)				

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Death	May 16, 2015	May 16, 2015	August 6, 2015	56 days
Subject 1010016 (████)				
Death	April 15, 2016	April 22, 2016	May 26, 2016	24 days

D. Protocol 14-C-0157-9577 (TEDDI-R) dosing schedule for cycle one (1) and cycle two (2) is one (1) pill for ten (10) consecutive days.

1. Patient 1010005 (████) on cycle two (2) day 20 took one (1) extra dose of ibrutinib.
2. Patient 1010006 (████) completed cycle one (1) and continued to take an additional 11 pills for 11 consecutive days.

E. Protocol 14-C-0157-9577 (TEDDI-R) requires screening evaluation to include ophthalmologic evaluation. Patient 1010001 (████) was enrolled in this protocol August 14, 2014 without any ophthalmologic evaluation.

***DATES OF INSPECTION**

9/12/2016(Mon),9/13/2016(Tue),9/14/2016(Wed),9/19/2016(Mon),9/20/2016(Tue),9/21/2016(Wed),9/22/2016(Thu),9/23/2016(Fri),9/26/2016(Mon),9/28/2016(Wed),10/03/2016(Mon)

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The observations of objectionable conditions and practices listed on the front of this form are reported:

1. Pursuant to Section 704(b) of the Federal Food, Drug and Cosmetic Act, or
2. To assist firms inspected in complying with the Acts and regulations enforced by the Food and Drug Administration.

Section 704(b) of the Federal Food, Drug, and Cosmetic Act (21 USC 374(b)) provides:

"Upon completion of any such inspection of a factory, warehouse, consulting laboratory, or other establishment, and prior to leaving the premises, the officer or employee making the inspection shall give to the owner, operator, or agent in charge a report in writing setting forth any conditions or practices observed by him which, in his judgment, indicate that any food, drug, device, or cosmetic in such establishment (1) consists in whole or in part of any filthy, putrid, or decomposed substance, or (2) has been prepared, packed, or held under insanitary conditions whereby it may have become contaminated with filth, or whereby it may have been rendered injurious to health. A copy of such report shall be sent promptly to the Secretary."