[15-DAY IND SAFETY	REPORT			
1. IND NUMBER	2. AGENT NAME			3. DATE		
129803	XL184 (Cabo	zantinib)		March 15, 2021		
	Ipilimumab (BMS-734016; MDX-010 Tran	sfectoma-			
	derived)					
	Nivolumab					
4. SPONSOR						
Division of Cance	er Treatment ar	nd Diagnosis, National Cancer	[•] Institute			
5. REPORTER'S NAM	E, TITLE, AND INST	6. PHONE NUMBER				
John Wright, MD, PhD – Associate Branch Chief, Investigational Drug				240-276-6565		
Branch, CTEP, DCTD, NCI				7. EMAIL ADDRESS		
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Howard Streiche	r, MD – Medica	l Officer, Investigational Dru	g Branch,	ctepsupportue@teen restcom		
CTEP, DCTD, N						
8a. PROTOCOL NUMB		8b. AE GRADE: AE				
A031704 (AE #22	268658)	Grade 3: Hypertension	Grade 3: Hypertension			
	-	Grade 3: Heart failure				
9. PATIENT IDENTIFIC	CATION		10. AGE	11. SEX		
9132180			61 years	Male		
12. PROTOCOL SPECI	FIED					
Cycle = 28 days						
	,	-1106): 480 mg IV on Day 1				
XL184 (Cabozan	, 0	O QD				
13. TREATMENT RECH						
	-			eived the last dose of ipilimumab		
	-	ose of nivolumab on January	19, 2021, and	l the last dose of cabozantinib on		
February 16, 202						
14. DESCRIPTION OF		with aloon coll you ol coll ado		with matagrasis to the lungs and		
	•			with metastasis to the lungs and		
				heart failure while on a Phase		
0	0	U I	-	pozantinib. On February 9, 2021,		
	-			arted on low dose lisinopril. On		
•	· •		. ,	izziness, nausea following meals,		
	•			d to a fire in his home one week		
		ped a continuous frontal head		-		
-	-		-	essure of 176/117 mmHg, heart		
	• ·	perature of 97.4°F, respirato	•	· ·		
.0	· • /	8	-	d oral clonidine in the ED and		
		tion and monitoring of severe	• •	•		
-	-			stress. Laboratory results were		
•		7 mg/dL (reference range: 0.7	-			
	-		-	: 65-99 mg/dL) and pro-brain		
				That day, he noted having some		
		ocardiogram (ECG) showed		.		
rhythm with first	t-degree atriove	ntricular block. Left ventricu	lar hypertro	phy with secondary		

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repolarization abnormality and low voltage in extremities were also noted. An echocardiogram revealed mild left ventricular hypertrophy with severely decreased left ventricular systolic function (left ventricular ejection fraction of 21%), severe global hypokinesis, moderate mitral valve regurgitation, mild aortic valve regurgitation, a small pericardial effusion near the right atrium, and probable grade II diastolic dysfunction. A CT scan of the head showed no acute intracranial process. A chest x-ray showed improved aeration of the right upper lobe with near complete resolution of an opacity at the right lung apex as compared to previous scans. There was also evidence of fullness of the pulmonary vasculature, interstitial edema, and bilateral small pleural effusions. The patient's lisinopril dose was increased to 20mg daily and he was started on carvedilol and enoxaparin. On February 18, 2021, in view of new onset congestive heart failure, he was started on furosemide and acetylsalicylic acid following which his blood pressure decreased to 121/80 mmHg and his shortness of breath improved. The treating physician recommended holding cabozantinib and reducing the dose of nivolumab. On February 19, 2021, he was seen by a cardiologist who cleared the patient for discharge, initiated oral furosemide, spironolactone, and carvedilol, and recommended giving sacubitril/valsartan on an outpatient basis. That day, the patient was discharged in stable condition with his blood pressure well-controlled. On February 23, 2021, the patient returned to the clinic for follow-up and stated he was asymptomatic and doing well. His nivolumab therapy was changed from 28 days to 14 days with dose reduction due to hypertensive urgency. He was advised to return for follow-up visits and ECGs on Day 1 and Day 15 of each cycle. Additional information has been requested from the site.

15. ACCRUAL AND IND EXPERIENCE

Number of patients enrolled in NCI-sponsored clinical trials using ipilimumab under NSC 732442 = 7,903. Number of patients enrolled in NCI-sponsored clinical trials using ipilimumab under NSC 720801 = 208. Number of patients enrolled in NCI-sponsored clinical trials using nivolumab under NSC 748726 = 7,241. Number of patients enrolled in NCI-sponsored clinical trials using cabozantinib under NSC 761968 = 2,066 There have been 36 other cases of hypertension reported to the NCI through CTEP-AERS as serious adverse events for ipilimumab under NSC 732442.

There has been 1 other case of hypertension (grade 3, possible) reported to the NCI through CTEP-AERS as a serious adverse event for ipilimumab under NSC 720801.

There have been 28 other cases of hypertension reported to the NCI through CTEP-AERS as serious adverse events for nivolumab under NSC 748726.

There have been 11 other cases of heart failure reported to the NCI through CTEP-AERS as serious adverse events for ipilimumab under NSC 732442.

There have been no other cases of heart failure reported to the NCI through CTEP-AERS as a serious adverse event for ipilimumab under NSC 720801.

There have been 12 other cases of heart failure reported to the NCI through CTEP-AERS as serious adverse events for nivolumab under NSC 748726.

There have been 4 other cases of heart failure reported to the NCI through CTEP-AERS as serious adverse events for cabozantinib under NSC 761968.

Hypertension is an expected event for the investigational agent cabozantinib.

		4	2 Unlikel		
Hypertension (n=36)	Hypertension (n=36)	3	1 Probable, 3 Possible, 14 L		
		2	3 Possible, 5 Unlikely, 1 Unrelated 1 Definite		
		5	2 Possib		
	Heart failure (n=11)	3		bable, 1 Possible, 1 Unlikely, 3 Unrelated	
	Heart failure (n=11)	2	1 Possible		
	Nivolumab NSC (748726)		1 Possible, 1 Unrelated		
,		4	1 Unlikel	V	
	Hypertension (n=28)	3	1 Probable, 15 Unlikely, 8 Unrelated		
	, , , , , , , , , , , , , , , , , , , ,	2	2 Unlikely, 1 Unrelated		
		5	1 Unlikely		
	Heart failure (n=12)	4	1 Possible, 1 Unlikely 1 Probable, 1 Possible, 1 Unlikely, 2 Unrelated		
	fieart failure (II=12)	2	1 Possible		
		1	2 Possible, 1 U		
(Cabozantinib NSC (761968)				
		4		1 Unlikely	
	3	1 Possible			
	Heart failure (n=4)				
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sed on th ationship olumab.	ENT ne provided medical documen	2 1 tation and ure and the s between	1 Possibl 1 Possibl d our medical and scientific he investigational agents cab t the hypertension and the in he investigational agents ipil	le knowledge, a prol ozantinib, ipilimu vestigational agei limumab or nivolu	
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CAUSED OR CONTRIBUTED TO THE ADVERSE EXPERIENCE BEING REPORTED.