		15-DAY IND SAFETY F	REPORT	
1. IND NUMBER 129803	2. AGENT NAME		fectoma-	3. DATE October 15, 2021
12/000	derived)		lectomu	
	Nivolumab XL184 (Cabo	zontinih)		
4. SPONSOR	AL104 (Cabo	zantinib)		
Division of Canc	er Treatment ar	nd Diagnosis, National Cancer l	Institute	
5. REPORTER'S NAM	E, TITLE, AND INST	ITUTION		6. PHONE NUMBER
		al Officer, Investigational Drug	Branch,	240-276-6565
CTEP, DCTD, N	CI			7. EMAIL ADDRESS
				ctepsupportae@tech-res.com
8a. PROTOCOL NUME		8b. AE GRADE: AE		
A031704 (AE #21		Grade 3: Reversible posterior Grade 3: Vasculitis	-	
9. PATIENT IDENTIFI	CATION		10. AGE	11. SEX
9137553 12. PROTOCOL SPECT			60 years	Female
14. DESCRIPTION OF The patient is a 6 grade 3 vasculitis utilizing the inve prediabetes, dep COVID-19 infect leukocytoclastic 2021, the patient husband reporte The patient was arrival, the patie pressure of 166/1 Laboratory result	ADVERSE EVENT 50-year-old fema 5 and grade 3 re 5 stigational agen ression/anxiety, tion. Of note, th vasculitis after 1 presented to th d that she was h in her usual stat nt was in atrial 09 mmHg and a lts were remark	versible posterior leukoenceph ts ipilimumab and nivolumab. pulmonary embolism status po the patient was undergoing treat receiving the first doses of the in the emergency department (ED) for the of health the previous night e fibrillation (Afib) with a heart the an oxygen saturation (SpO ₂) of able for a white blood cell coun	alopathy sy The patien st thrombed ment for gr nvestigation for altered p for several of xcept for so rate of 110 98% on 2 L t of 10.2 K/	rade 3 small vessel al agents. On September 27, mental status. The patient's lays despite taking zolpidem. ome head and back pain. On beats per minute, a blood Δ of oxygen <i>via</i> nasal cannula. /µL, a serum sodium level of 134
of 1.59 mg/L, and showed no acute intracranial hem representing ede	d an alkaline ph cardiopulmona orrhage. Ill-dei ma which can b	osphatase level of 181 U/L (refe ry disease. A CT scan of the he fined hypoattenuation of the bil e seen with posterior reversible	erence rang ead without ateral occip encephalop	oital white matter, likely

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a neurology consult, she was given a loading dose of levetiracetam, and was started on Ceribell® monitoring. The patient was also given several pushes of labetalol and was admitted to the intensive care unit (ICU). On September 28, 2021, her electroencephalogram (EEG) study was moderate-severely abnormal. That day, the patient was intubated due to altered mental status. On September 29, 2021, MRI of the brain with and without contrast findings were most consistent with PRES. On October 4, 2021, her mental status improved, and she was transferred out of the ICU. On October 5, 2021, she was started on oral prednisone with a plan to taper every 7 days. On October 7, 2021, the patient was discharged home with a plan to follow-up with her oncologist. Additional information has been requested from the investigational site.

15. ACCRUAL AND IND EXPERIENCE

Number of patients enrolled in NCI-sponsored clinical trials using ipilimumab under NSC 732442 = 8,535. 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 = 8,414. There have been 2 other cases of reversible posterior leukoencephalopathy syndrome reported to the NCI through CTEP-AERS as serious adverse events for ipilimumab under NSC 732442.

There have been no other cases of vasculitis reported to the NCI through CTEP-AERS as serious adverse events for ipilimumab under NSC 732442.

There have been no other cases of reversible posterior leukoencephalopathy syndrome and vasculitis reported to the NCI through CTEP-AERS as serious adverse events for ipilimumab under NSC 720801. There have been no other cases of vasculitis reported to the NCI through CTEP-AERS as serious adverse events for nivolumab under NSC 748726.

Reversible posterior leukoencephalopathy syndrome is an expected event for the investigational agent nivolumab.

Adverse Event	Grade	Attribution
lpilimumab NSC (732442)		
Reversible posterior leukoencephalopathy syndrome (n=2)	3 2	1 Unlikely 1 Unrelated

16. ASSESSMENT

Based on the provided medical documentation and our medical and scientific knowledge, a possible relationship exists between the reversible posterior leukoencephalopathy syndrome and the investigational agents ipilimumab and nivolumab. A definite relationship exists between vasculitis and the investigational agents ipilimumab and nivolumab. The event seizure is not related to the investigational agents ipilimumab and nivolumab.

	Reversible posterior leukoencephalopathy syndrome	Vasculitis
Ipilimumab	Possible	Definite
Nivolumab	Possible	Definite
Renal cell carcinoma, clear cell adenocarcinoma	Possible	Unrelated
Leukocytoclastic vasculitis	Unrelated	Probable

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Reversible posterior leukoencephalopathy syndrome

N/A

Probable

17. CONCOMITANT MEDICATIONS

Medications taken at the time of the event were acetaminophen, amlodipine, apixaban, atorvastatin, docusate sodium, ferrous sulfate, hydrochlorothiazide, hydrocodone-acetaminophen, melatonin, metoprolol succinate, omeprazole, polyethylene glycol, prednisone, prochlorperazine, sulfamethoxazole-trimethoprim, trazodone, triamcinolone 0.1% ointment, and zolpidem.

18. COMMENTS

DISCLAIMER per 21 CFR 312.32(e): THIS SAFETY REPORT DOES NOT NECESSARILY REFLECT A CONCLUSION OR ADMISSION BY THE CTEP IDB MEDICAL OFFICER/SPONSOR THAT THE INVESTIGATIONAL AGENT/THERAPY CAUSED OR CONTRIBUTED TO THE ADVERSE EXPERIENCE BEING REPORTED.