		7-DAY IND SAFETY RI	EPORT			
1. IND NUMBER	2. AGENT	NAME		3. DATE		
125462	Nivolun	nab		November 18, 2021		
4. SPONSOR						
Division of Cancer Tr	eatment	and Diagnosis, National Cancer I	nstitute			
5. REPORTER'S NAME, TITLE, AND INSTITUTION			6. PHONE NUMBER			
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CTEP, DCTD, NCI				7. EMAIL ADDRESS		
				ctepsupportae@tech-res.com		
8a. PROTOCOL NUMBER (A	E #)	8b. AE GRADE: AE				
S1826 (AE #2600198)		Grade 5: Death NOS				
9. PATIENT IDENTIFICATIO	N		10. AGE	11. SEX		
288036			68 years	Female		
12. PROTOCOL SPECIFIED						
Cycle = 28 days (max	6 cycles)					
Doxorubicin hydroch	loride: 25	5 mg/m <sup>2</sup> IV on Days 1 and 15				
Vinblastine sulfate: 6	mg/m <sup>2</sup> IV	/ on Days 1 and 15				
Dacarbazine: 375 mg	/m² IV on	Days 1 and 15				
Nivolumab: 240 mg I	V on Day	s 1 and 15 [<18 years: 3 mg/kg (u	p to 240 mg)	IV on Days 1 and 15]		
13. TREATMENT RECEIVED	O AND DATE	S				
The patient began the	e investiga	ational therapy on October 29, 20	21, and received the second seco	ved the first and only doses of		
doxorubicin, vinblast	ine, dacaı	bazine, and nivolumab on that sa	ime day (Cyc	le 1, Day 1).		
14. DESCRIPTION OF ADVE	ERSE EVENT					
The patient was a 68-	year-old f	female with Hodgkin lymphoma v	who expired o	on November 6, 2021, due to		
unknown causes, whi	le on a ph	ase III trial utilizing the investiga	tional agent	nivolumab in combination with		
doxorubicin, vinblast	ine, and d	lacarbazine. She had a history of	hypertension	i, atrial fibrillation, and peptic		
ulcer disease, and was	cer disease, and was a former smoker. On October 31, 2021, the patient was admitted for evaluation of					
aching, non-radiating	anterior	chest pain. An echocardiogram s	snowed a left	ventricular ejection fraction of		
05%. A CI scan snow	weu no sig	gns of pulmonary embolism. On J	November 2,	2021, the patient was		
donortmont (ED) with	able cont	ntion. On November 5, 2021, the	dominal pres	n profound weakness neusee		
vomiting and loose st	ools Un	nts of chest lightness, dysphea, at	istrossod Sh	had a blood pressure of		
110/40 mmHg a hear	t rate of 1	21 heats nor minute a temperatu	re of 100 4°F	F and an avygan saturation		
$(SnO_2)$ of 98% Physic	ical avam	instion revealed mottling in her e	vtramitias an	d diffuse abdominal nain with		
diminished bowel sou	nds Lah	oratory results were significant fo	ar a serum cr	reatining of 2.52 blood urea		
nitrogen of 57, serum	olucose o	of 484, alkaline phosphatase of 21'	7. asnartate a	minotransferase of 56, alanine		
aminotransferase of 1	26. INR (	of 1 52. D-dimer of 16 6. nH of 7 1	9. PCO2 of 2	6. PO2 of 486. lactic acid of		
13.1. and white blood	cell band	count of 14% (reference ranges	and units: no	ot provided). A chest X-ray		
showed no evidence o	f acute ca	rdiopulmonary disease. A transt	horacic echo	cardiogram revealed possible		
reduced left ventricul	ar eiectio	n fraction. She was started on IV	fluids. dobu	tamine, epinephrine.		
norepinephrine, cefer	oime, and	vancomycin and was admitted to	the intensive	e care unit for further		
management. She wa	s placed	on bilevel positive airway pressur	e (BiPAP) an	d 8 L of oxygen via nasal		
cannula. Later that e	vening. tl	he patient was intubated due to re	spiratory dis	stress with tachypnea. On		
November 6, 2021, sh	e had sud	den onset of a wide-complex esca	pe rhythm bi	radycardia with heart rate in		
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the 30s. The patient was immediately administered advanced cardiovascular life support (ACLS) following which she had a restoration of spontaneous circulation. However, after the initial resuscitation the patient had a second bradycardic arrest. Per the family's request, resuscitative efforts were stopped. That day, the patient expired. An autopsy was not performed. The clinical evidence suggests possible sepsis or sepsis physiology, DIC, and circulatory failure possibly a result of an abdominal catastrophe. Additional information has been requested from the investigational site.

15. ACCRUAL AND IND EXPERIENCE

Number of patients enrolled in NCI-sponsored clinical trials using nivolumab under NSC 748726 = 8,539. There have been 122 other cases of death NOS reported to the NCI through CTEP-AERS as serious adverse events for nivolumab under NSC 748726.

There have been 13 other cases of sudden death NOS reported to the NCI through CTEP-AERS as serious adverse events for nivolumab under NSC 748726.

Γ	Adverse Event	Grade	Attribution
	Nivolumab (NSC 748726)		•
	Death NOS (n=122)	5	1 Definite, 2 Probable, 42 Possible, 50 Unlikely, 27 Unrelated
	Sudden Death (n=13)	5	9 Possible, 4 Unlikely

16. ASSESSMENT

Based on the provided medical documentation and our medical and scientific knowledge, a possible relationship exists between the death NOS and the investigational agent nivolumab.

	Death NOS
Nivolumab	Possible
Dacarbazine	Possible
Doxorubicin hydrochloride	Possible
Vinblastine sulfate	Possible
Hodgkin lymphoma	Unrelated
Infection	Probable

17. CONCOMITANT MEDICATIONS

Medications taken at the time of the event were atomoxetine hydrochloride, spironolactone, acetaminophen, docusate sodium, mupirocin nasal ointment, acyclovir, allopurinol, atovaquone, calcium carbonate-vitamin D, dexamethasone, fluconazole, metoprolol succinate, rosuvastatin, vitamin D3, esomeprazole, and duloxetine hydrochloride.

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.