

To: Emergency Department Physician/Nurse

RE: CHECKPOINT INHIBITOR ADVERSE REACTION

From: Dr	(patient's oncologist) at
(cancer centre).	
This patient has received treatment with a Chec	kpoint Inhibitor called:

Immune-related side effects are known to occur following this treatment. Side effects occur due to unintended tissue injury following treatment with immunotherapy, and any organ system may be involved.

These immune-related side-effects may be severe or life-threatening, and require different management from chemotherapy associated toxicities.

If immune-related side-effects are suspected, **contact the medical oncologist listed above (or the covering designate).** With prompt management, immune-related side-effects are generally reversible, however immunosuppression may be required.

Signs and symptoms suggestive of immune-related side-effects:			
Gastrointestinal:	DiarrheaNauseaElevated lipase	Gastrointestinal bleedingElevated liver enzymesAbdominal pain/cramping	
Pulmonary: ◆ Pneumonitis	Shortness of breath Cough	Chest pain Fever	
Skin: ◆ Dermatitis	Pruritic rash		
Endocrine:	Fatigue, lethargyDehydrationHypotension	Headache, visual disturbancesMental status changesanxiety, nervousness, tremors	
Musculoskeletal: ◆ Arthritis ◆ Myositis	Joint pain/swelling Fatigue/myalgias		
Neurological: ◆ Peripheral neuropathy ◆ CNS inflammation	Numbness/pain Mental status change	Headache Focal neurological deficit	

Signs and symptoms suggestive of immune-related side-effects:		
Renal: ◆ Acute kidney injury	Swelling Elevated serum creations	atinine
Cardiac: ◆ Myocarditis ◆ Pericarditis	Chest pain Fever	ECG changes Elevated cardiac enzymes
Fever: 38.9 °C or higher with any of the following:	lasts longer than24 hoursfeels unwell	 with other symptoms: cough, shortness of breath, pain, dizziness, nausea or diarrhea
*If the patient is also taking chemotherapy, follow the chemotherapy fever guidelines instead:	They have been told to report to the nearest ER as soon as possible if febrile (a single oral temperature of 38.3°C/100.9°F or higher or an oral temperature reading of 38.0°C/100.4°F measured at 2 occasions, 1 hour apart). If left untreated, this complication of febrile neutropenia could lead to life-threatening sepsis.	

For complete recommendations and evidence, access the full guideline at:

www.ahs.ca/guru > Symptom Management > Checkpoint Inhibitor Toxicities

CONTACT INFORMATION:

Daytime Weekdays			
Calgary (Tom Baker Cancer Centre)	403-521-3735 or Toll Free 1-844-465-6330 After hours, weekends and holidays call the Foothills Medical Centre at 403-944-1110 (ask to speak to the oncologist or hematologist on call)		
Edmonton (Cross Cancer Institute)	780-432-8771 or Toll Free 1-877-707-4848 After hours, weekends and holidays call 780-432-8771 (ask to speak to the medical oncologist on call)		
Grande Prairie (Grande Prairie Cancer Centre)	825-412-4200		
Lethbridge (Jack Ady Cancer Centre)	403-388-6800		
Medicine Hat (Margery E. Yuill Cancer Centre)	403-529-8817		
Red Deer (Central Alberta Cancer Centre)	403-343-4526		
After Hours			
RAAPID North at 1-800-282-9911			
RAAPID South at 1-800-661-1700			

Thank you for your assistance in the care of this patient