	Case ID:			DIAN TRANSF Vent Repor						PA	GE 1 OF 3		
	ADVERSE	(Complete sections 1,3,& 6 before & REACTION (Complete all sections)	-	g/after)	PROD	UCT T	RANSFUSED YES] NO					
	FACILITY NAME OF FACILITY	IDENTIFICATION	HOSP	HOSPITAL CODE			СІТҮ			PROVINCE			
	1. RECIPIE LAST NAME HEALTH CARD NUM	ENT IDENTIFICATION	FIRST NAME Hospital Card Numi				Date of Day Month Year Sex: Male Birth: Female						
	2. CLINICA Blood Group: Pregnancies/Misc Transfusions Immune-Comproi	Yes <3 mo	Yes >3 mo. □ Yes >3 mo. □		/n	Please	t Diagnosis/Category: see reverse for categories Dther Clinical HistoryDescr	ibe:					
	3. DATE, T Date and time occurred:	IME AND PLACE OF INC	CIDENT / ADVER Year	Time (hh:mm)	Place occurr	ed:		OB	OR RE	с 🗌 сні	R OP		
	Date and time reported: 3a. Incident Patient Ider	Day Month	Year	Time (hh:mm)	3b. Premedication and Anesthesia Premedication: Yes; No Specify drug/dose/route:								
	Equipment	lated Incident ······· Specify: Related Incident ······ Specify: ent ······ Specify:			Transfused under anesthesia: General Local/regional None 3c. Report of Possible Transfusion Related Blood Borne Infection Bacterial Infection Viral Infection Other Infection								
		AL SIGNS AND LABORA	ATORY RESULTS	;									
\bigcirc	No Clinical S Temperature Pulse	Sign/Symptom e ······ before: after: before: after: where the before: after: ure ··· before: after:	Other skin r	a Jaundice kin rash Hemoglobinuria ess of breath Oliguria imia									
Clinical Information for TRALI: Chest X-ray Results: Bilateral Infiltrates Evidence of Circulatory Overload: Yes No Explain:													
		Collection to be sent to blood suppl		instructions									
	4b. Abnorm	al Tests/Laboratory Result				Date Specimen Taken (ddmmmyyyy)	Positive	Resi Negative	ults Elevated	Decreased			
	Blood Culture Re For culture perfor	sults: med on recipient post transfusion	Date/Time Specim (ddmmmyyyy)	"	of # itive Neg	⁴ of gative	If positive, specify organism identified (genus/species)		Unit r	10. or Lot no			
		med on the product											

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								Date of Birth	Day	Month	1	Year	Sex:	Ma	ale 🗌 Ot	ther
l	HEALTH CARD NUMBER HOSPITAL CARD NUMBER							Dirui.	Birth:						nknown	
	5. SUSPECT BL	5. SUSPECT BLOOD, BLOOD COMPONENTS, OR BLOOD PF						ODUCTS (PLASMA DERIVATIVES)								
	Transfused blood, blood components, or blood products (plasma derivatives)								Amount administered		Transfusion Started		Transfusion Finished			
ſ	Product code/name	Product m Hospital	nodification* Supplier	Grou ABO	p of unit Rh	Supplier centre code*	Unit no. or Lot no.		Expiry date	Amount	Unit of	Fraction	Date	Hour	Date	Ho
ŀ	Flouder code/hame	позрна	Supplier	ADU	nii	LOUE	Unit no. or Lot no.		(ddmmmyyyy)	Amount	measure	Fraction	(ddmmmyyyy)	(hh:mm)	(ddmmmyyyy)) (hh:r
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	6. MEASURES T	AKEN	Analges	sics		Vas	sopressors	ICU Re	quired			res Taken				
			Antihist	amines	5	Ant	tibiotics	ICU Re Chest >			er Measu ► Specify					
	None		_	amines s	5	Ant	· · · · · · · · · · · · · · · · · · ·		k-ray							
	None Transfusion Stopped		Antihist Steroids	amines s		Ant	tibiotics	Chest >	k-ray							
	None Transfusion Stopped	d C ed C	Antihist Steroids Diuretic	amines s s] Effec	tive	Ant	tibiotics [pplementary O₂ [wchanical Ventilation	Chest >	k-ray Culture							
	None Transfusion Stopped Transfusion Restarte Antipyretics	d C ed C	Antihist Steroids Diuretic	amines s s] Effec	tive	Ant Su Me	tibiotics pplementary O2 ichanical Ventilation → duration:	Chest > Blood (Produc	k-ray Culture St Culture		➤ Specify				haaphulactic S	bock
	None Transfusion Stopped Transfusion Restarte Antipyretics T. RESULTS OF	d C ed INVES	Antihist	amines s s] Effec	tive	Ant	tibiotics pplementary O2 ichanical Ventilation → duration:	Chest >	k-ray Culture St Culture		➤ Specify				Anaphylactic SI	hock
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Case ID:





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	1. RECIPIENT I	DENTIFICATION FIRST NAM	16						
			IL.	Date of	Day Month	Year	Sex: Male	Other	
	HEALTH CARD NUMBER	HOSPITAL	CARD NUMBER	Birth:			Female	Unknown	
	7. RESULTS OF	INVESTIGATION & CONCL	USION (CONTINUE	D)					
	TACO	*Please see reverse for definitions.	Hypotensive		Aseptic Menir	ngitis			
	TAD*		ACE In	hibitors	IVIg headache	9			
	TRALI*	Time to Recovery (hrs)	PTP		Unknown				
		Time to Recovery (hrs)				of Investigation			
	[:] ► Risk Factors:		TA-GVHD		Specify:				
			Hemochrom	atosis					
	Relationship of Adverse Event to Transfusion:	Please see reverse Definite for definitions.	Probable P	ossible	Doubtful	Ruled Out	Not Determi	ned	
	Severity of Adverse		scribe the circumstances of de	eath:		th	Relationship of transfu	sion	
	Event: Please see reverse	Grade 2 (Severe)			of Adverse		to recipient's death:		
275	for definitions.	Grade 3 (Life-threatening)				uelae	Definite D	oubtful	
		Grade 4 (Death) ·····			for definitions. Min	or or No Sequelae	Probable R	uled Out	
					Not	Determined	Possible N	ot Determined	
	Hospital Procedure	Not Determined Describe:			Action:				
	Involved:								
	Equipment/Supplies Involved:	Describe: (include brand names/lot/mod	del numbers)		Action:				
$\left(\right)$	Medical Follow-up:	Treatment or Preventative Measures:			I				
	Supplier/Manufacturer Notified:	Yes ······· Name of No person contacted:			Date & Time:	Day Month	Year	Time (hh:mm)	
	Status of Investigation:	In progress Conclude	ed 🗌 Cannot be cor	nducted	····Reason:				
	8. COMMENTS								
17	8. COMMENTS								
1									
	Reporting Physician or Designate:	Last Name	First Name		Signature:				
	Telephone Number:	Ex	t		Date & Time:	Day Month	Year	Time (hh:mm)	
	9. COMMENTS	- COMPLETED BY CANAD	AN BLOOD SERVIC	ES (CB	S)				
17									
	CBS Medical Director:	Last Name	First Name		Signature:				
	Telephone Number:	Ex	i		Date &	Day Month	Year	Time (hh:mm)	
	()				Time:				
					·				
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Case ID:





2. CLINICAL HISTORY

Standardized List for the patient diagnosis/category:

- Hematology/Bone Marrow Transplant
- Oncology
- Medical
- Surgical

- Obstetrics/Gyne/Perinatal
- Trauma
- Neonatal

3. DATE, TIME AND PLACE OF INCIDENT / ADVERSE REACTION

Place of Incident/Adverse Reaction

- ICU Intensive Care Unit All intensive care units including i.e. neonatal, special care nursery, neuro, medical, burn unit
- ER Emergency Emergency and/or Trauma areas

MSW Medical/Surgical Ward All inpatient care areas within a facility i.e. medical ward, surgical, hematology

- **OB Obstetrics** Obstetrics including labour and delivery, case room and birth centre
- OR Operating Room Operating room including day surgery
- REC Recovery Room Recovery Room including post anesthesia recovery
- CHR Chronic Care Chronic Care refers to long term care facilities/units
- OP Outpatient Clinic Outpatient refers to ambulatory care areas, medical day units, essentially where outpatients would come to receive a transfusion during daylight working hours

4. CLINICAL SIGNS AND LABORATORY RESULTS

Hospital Sample Collection to be sent to blood supplier:

- <u>Call</u> your local blood centre to obtain the most up-todate shipping and sample requirements.
- For patient samples
 - transfused unit(s) sample(s) when available
 - crossmatch testing samples (time-sensitive samples)

5. SUSPECT BLOOD, BLOOD COMPONENTS, OR BLOOD PRODUCTS (PLASMA DERIVATIVES)

Supplier Centre Codes Product Modification Codes Please refer to your local Canadian Blood Services or IRR Irradiated HÉMA-QUÉBEC codes. CMV Negative for anti-CMV D Deglycerolized DV Divided LV Low volume PR Plasma reduced W Washed Ρ Pooled т Thawed

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7. RESULTS OF INVESTIGATION & CONCLUSION

Definition of Transfusion Associated Dyspnea (TAD)

TAD is characterized by respiratory distress within 24 hours of transfusion that does not meet the criteria of TRALI, TACO, or allergic reaction. Respiratory distress should not be explained by the patient's underlying condition.

Definition of Transfusion Related Acute Lung Injury (TRALI)

- In patients with no evidence of Acute Lung Injury (ALI) prior to transfusion, TRALI is diagnosed if:
- New ALI is present:
 - Acute onset
- Hypoxemia
- PaO_2 / FiO_2 300 or
- \triangleright Oxygen saturation is < 90% on room air or
- ▷ Other clinical evidence
- Bilateral lung infiltrates on frontal chest x-ray
- No evidence of circulatory overload
- It occurs during, or within 6 hours of completion of transfusion
- There are no other risk factors for ALI

Definition of Possible Transfusion Related Acute Lung Injury

- In patients with no evidence of ALI prior to transfusion, possible TRALI is diagnosed if:
 - New ALI is present:
 - Acute onset
 - Hypoxemia
 - PaO_2 / FiO_2 300 or
 - \triangleright Oxygen saturation is < 90% on room air or
 - Other clinical evidence
 - Bilateral lung infiltrates on frontal chest x-ray
 - No evidence of circulatory overload
 - It occurs during, or within 6 hours of completion of transfusion
 - There are one or more risk factors for ALI: Predisposing factors for ALI include:
 - Direct Lung Injury
 - ▷ Aspiration
 - ⊳ Pneumonia
 - ▷ Toxic inhalation
 - ▷ Lung contusion
 - ▷ Near drowning
 - Indirect Lung Injury
 - ▷ Severe sepsis
 - ⊳ Shock
 - ▷ Multiple trauma
 - Burn injury
 - ▷ Acute pancreatitis
 - ▷ Cardiopulmonary bypass
 - ▷ Drug overdose

Canada

7. RESULTS OF INVESTIGATION & CONCLUSION (CONTINUED)

Relationship of Adverse Event to Transfusion

Definite

Select "Definite" if a clinical and/or laboratory event occurred within a time period consistent with the administration of the blood, blood component, or blood product (plasma derivative) and was proven by investigation to have been caused by transfusion.

Bacterial contamination is considered "Definite" if it meets <u>ALL</u> of the following criteria:

- The same bacteria are found in the recipient and the blood, blood component, or blood product (plasma derivative).
- Contamination of the blood sample or laboratory contamination is not suspected.

Probable

Select "Probable" if a clinical and/or laboratory event occurred within a time period consistent with the administration of the blood, blood component, or blood product (plasma derivative) and did not seem to be explainable by any other cause.

Bacterial contamination is considered "Probable" if it meets the following criteria:

- Positive blood, blood component, or blood product (plasma derivative) culture.
- Contamination of the blood sample or laboratory contamination is not suspected.
- The recipient presents signs and symptoms of sepsis (nothing else explains it).
- The recipient's blood culture was not done.
 - No specimen was available.
 - A blood culture was not ordered.
- The recipient's blood culture is negative.
- The recipient is already taking antibiotics.

Possible

Select "Possible" if the clinical and/or laboratory event occurred within a time period consistent with the administration of the blood, blood component, or blood product (plasma derivative) but could also be explained by a concurrent disease or by the administration of a drug or other agent.

Bacterial contamination is considered "Possible" if it meets the following criteria:

- The recipient's blood culture is positive.
- Contamination of the blood sample or laboratory contamination is not suspected.
- The recipient presents signs and symptoms of sepsis (nothing else explains it).
- A blood, blood component, or blood product (plasma derivative) culture was not done.
 - No specimen was available.
 - A blood culture was not ordered.

Doubtful

Select "Doubtful" if the clinical or laboratory event occurred within a reasonable time period but the preponderance of data supports an alternative explanation.

Bacterial contamination is considered "Doubtful" if:

 The blood, blood component, or blood product (plasma derivative) culture is positive for one pathogen and the recipient's blood culture is positive for a different pathogen, or the blood, blood component, or blood product (plasma derivative) culture is positive or the recipient's blood culture is positive but contamination of the sample or laboratory specimen is suspected.

Ruled out

Select "Ruled Out" if the clinical and/or laboratory event occurred within a time period inconsistent with the administration of the blood, blood component, or blood product (plasma derivative) or, if it occurred within a consistent time period and it was proven to have no relationship to the transfusion.

Not Determined

Select "Not Determined" if it remains to be determined whether the event was related to the administration of the blood, blood component, or blood product (plasma derivative) and further information is forthcoming.

Severity of Adverse Event

Grade 1 (Non-Severe)

Select "Grade 1 (Non-Severe)" if the recipient may require medical intervention (e.g. symptomatic treatment) but lack of such would not result in permanent damage or impairment of a body function.

Grade 2 (Severe)

Select "Grade 2 (Severe)" if

- the recipient requires in-patient hospitalization or prolongation of hospitalization directly attributable to the event;
- the adverse event results in persistent or significant disability or incapacity; or
- the adverse event necessitates medical or surgical intervention to preclude permanent damage or impairment of a body function.

Grade 3 (Life-threatening)

Select "Grade 3 (Life-threatening)" if the recipient required major intervention following the transfusion (vasopressors, intubation, transfer to intensive care).

Grade 4 (Death)

Select "Grade 4 (Death)" if the recipient's death was suspected to be the consequence of a transfusion reaction.

Not determined

Select "Not determined" if the consequences of the transfusion reaction are not certain.

Outcome of Adverse Event

Death

Select "Death" if the recipient died.

- Relationship of Transfusion to Recipient's Death

Document the relationship of the transfusion to the recipient's death by selecting <u>one</u> of the following:

Definite

Select "Definite" if the recipient's death occurred within a time period consistent with the administration of the blood, blood component, or blood product (plasma derivative) and was proven by investigation to have been caused by transfusion.

Probable

Select "Probable" if the recipient's death occurred within a time frame consistent with the administration of the blood, blood component, or blood product (plasma derivative) and did not seem to be explainable by any other cause.

Possible

Select "Possible" if the death occurred within a time period consistent with the administration of the blood, blood component, or blood product (plasma derivative) but could be explained by a concurrent disease or by the administration of a drug or other agent.

Doubtful

Select "Doubtful" if the death occurred within a reasonable time period in relation to the transfusion but the preponderance of data supports an alternative explanation.

- Ruled Out

Select "Ruled Out" if the death occurred within a time period inconsistent with the administration of the blood, blood component, or blood product (plasma derivative) or, if it occurred within a consistent time period, but was proven to have no relationship to the transfusion.

Not Determined

Select "Not Determined" if it cannot be determined if the recipient's death was related to the transfusion.

Major or Long-Term Sequelae

Select "major or long term sequelae" if the recipient developed either an infection with a persistent infectious agent (HIV, Hepatitis C, Hepatitis B), or a transfusion reaction with major or long-term sequelae or the anticipation of difficulties with future transfusions (e.g. development of antibodies to antigens present in more than 95% of donations).

Minor or No Sequelae

Select "Minor or No Sequelae" if the recipient had no sequelae or permanent disability from the reaction or developed antibodies to low or medium frequency antigens (<95%) or other minor reactions.

Not Determined

Select "Not Determined" if the outcome of the adverse event is not certain.

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