

## **PHYSICIAN ORDERS**

FOR

## **Initial Management of Suspected** PEDIATRIC DIABETIC KETOACIDOSIS in the

	EM	ERGENCY D Page 1		IENT	Patient Identification		
Weight:	kg	Height:	cm	Allergies:			
		Pediatric DI	KA Algorit			eding order	
DIET:	NF	90	_ Ice chip	S			
VITAL SIG	NS/MC	ONITORING:					
<ul><li>Ad</li><li>Str</li></ul>	ministe	er oxygen 10 & Outs	-15 L/min	RR, BP, Neuro VS includes the second	ask (if signs of sho	ock or severe DKA)	
INITIAL IN	IVESTIC	GATIONS:					
• Blo		_	s blood ga	s, Na, K, Cl, (Ca, PO4,	if available), urea	, creatinine, osmolalit	y, serum or urine
		•		nydroxybutyrate			
				SH, thyroid antibodie			
ONGOING	SINVES	STIGATIONS	:				
	_	•	and at ini	tiation of insulin infus	on, and 1 hour af	ter any change in insu	llin dose (if required)
		nce q1h	. 1 . 1		late and a second		
	_	icose, eiectr ilysis q4h	olytes, ur	ea, creatinine, venous	blood gas q2n		
• 10	C urina	11y515 4411					
		(HOURS 0 –	<u>12)</u> :				
•	tial Flu						
			mL (2	0 mL/kg, MAX 1000 m	L) IV over 20 min	utes (rapid push over	5 – 10 min if
•	•	ive), <b>THEN</b> neat NS or R	I holus of	f ml (20 ml /kg	- MΔX 1000 ml )	IV over 20 minutes if s	igns of hypoperfusion
				l extremities), <b>THEN</b>	5, 1417 (7. 1000 1112)	iv over 20 minutes in s	iigns of hypoperiusion
·							
B) Or	ngoing I	IV Fluids (fo	r patients	with signs of cerebra			1
		\A/a:a		Rehydration Table			
		Weig mL/k		o <10 kg   10 to <20 k 6.5   6	20 to <40 kg	≥40 kg 4 (MAX 500 mL/hr)	
	N		<u> </u>	· IV (per Rehydration 1		4 (IVIAX 300 IIIL/III)	
-				IV (per Rehydration Ta			
						2 at the time of com	pletion. ***
DHVSIC	IAN SIC	SNATURE		PRINT NAME OF PH	VSICIAN	DATE & TIME	
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NURSE SIGNATURE			<u> </u>	PRINT NAME OF NURSE		DATE & TIME	



## **PHYSICIAN ORDERS**

FOR

## **Initial Management of Suspected** PEDIATRIC DIABETIC KETOACIDOSIS in the

EMERGENCY DEPARTMENT Page 2 of 2	Patient Identification		
Weight:kg Height:cm Allergies:			
Continued from Page 1			
<ul> <li>Add 40 mmol/L KCl to initial fluids once serum K</li> <li>NS with 40 mmol/L KCl at mL/hr IV (</li> <li>RL with 40 mmol/L KCl at mL/hr IV (</li> </ul>	(per Rehydration Table) <b>OR</b>		
<ul> <li>If blood glucose is less than 17 mmol/L OR decre started, change fluids to:         D5 NS with 40 mmol/L KCl at mL/hr         D5 RL with 40 mmol/L KCl at mL/hr         D10 NS with 40 mmol/L KCl at mL/h         D10 RL with 40 mmol/L KCl at mL/h</li> </ul>	IV (per Rehydration Table) <b>OR</b> rr IV (per Rehydration Table) <b>OR</b>		
<ul> <li>Start insulin infusion 1 hour after IV fluids have be insulin if serum K is less than 3.5 mmol/L)</li> <li>Insulin regular 1 unit/mL at units/hr (0)</li> </ul>	een started (not before 1 hour and always before 2 hours; delay		
<ul> <li>CONSULT:         <ul> <li>Pediatric diabetes specialist</li> <li>PICU or Pediatric Referral Centre or Transport Te cerebral injury)</li> </ul> </li> </ul>	am (if pH <7.1, age <5 years, hypotension, and/or suspected		
<ul> <li>Move to Resuscitation area</li> <li>Nurse in continuous attendance of patient</li> <li>Raise head of the bed to 30° and keep in midling NS or RL bolus of mL (20 mL/kg (capillary refill time ≥3 sec, cool extremities) 3% NaCl mL (5 mL/kg/dose, Ma Mannitol g (0.5-1 g/kg/dose</li> <li>* May repeat hyperosmolar agent x 1 PRN after 30 min</li> </ul>	AX 250 mL) IV over 10 minutes <b>OR</b> e, MAX 1000 g) IV over 15 minutes or use the alternate agent (3% NaCl or mannitol) s to 75% of ongoing rate (per Rehydration Table)		
PHYSICIAN SIGNATURE PRINT NAME OF	PHYSICIAN DATE & TIME		
NURSE SIGNATURE PRINT NAME O	F NURSE DATE & TIME		