

Some Useful Clinical Decision Rules

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	A	ny high-risk fact	tor that man	Var								
ABCD TIA Risk Score				ge≥65 years, or (dangerous me	160						
Risk factor	Category			or paresthesias in	extremities							
Age	Age≥60 Age<60	1 0		Any low-risk factor that allows safe assessment of range of motion?								
Blood pressure at assessment	SBP>140 or DBP≥90 Other	1 0	A as									
Clinical	Unilateral weakness	2	Simple rear-end motor vehicle collision,									
Features	Speech disturbance (no weakness) Other	1 0	or sitting position in the emergency NO Radiography department, or ambulatory at any time, or delayed (not immediate) onset of neck pain, or absence of midline cervical-spine tenderness					hy				
Duration	≥60 minutes 10-59 minutes	2										
Diabetes		1		Yes								
Risk of Complet	A 43	ble to rotate ne 5 degrees left and	ck actively? right	Unable								
Scores 0-3: lo Scores 4-5: m	w risk oderate risk				Yes							
Scores 6-7: hi	gh risk				+	Cana	dian C-Spin	ne Rules i	in GCS			
				No rae	diography	15 an	d stable pa	tient	12-04			
Canadian CT Head	Rules					or 5 s	teps. Axial lo	anism=iai oad.	1>=3 II			
Findings that should	prompt CT evaluation by the standa	ards of the CCHR	inc	lude:		MVC>	>100km/hr, F	Rollover,				
* GCS score less t	han 15 at two hours or more after th	ne injury				Ejecti	on, ATV, bic	ycle collis	sion			
* Any sign of basa	I skull fracture					-						
* Two or more epis	sodes of vomiting			NEXUS C	-Spine Ru	l les graphy i	e indicated f	for nation(
* Age, 65 years or	olderf	la a incircant		with traum	na unless t	hev			<u> </u>			
* Dangerous Mech	* More than 30 minutes of amnesia of events prior to the injury					meet all of the following criteria:						
Dangerous Mechanism of Injury Include:				No posterior midline cervical-spine tenderness,								
1. Automobile vs pedes		No evider	ice of intox	ication,								
2. Ejection from a moto 3. Fall from more than t	erso ose	No focal r		deficit.¶								
4. Fall from five or more	e stairs. with a hypoc	oagulable state		No painfu	l distractine	g injurie	S.					
AHA/ACC 2004 STE	MI GUIDLNES:			Rochester	Criteria fo	or Ident	ifying Febri	le Infants	s at			
Absolute Contraindic	bsolute Contraindications				Low Risk for Serious Bacterial Infection							
Any prior intracranial nemorrhage				2- Infant has been previously healthy:								
malformation)				Born at term (>/=37 weeks of gestation)								
Known malignant		No perinatal antimicrobial therapy										
Ischemic stroke within 3 months EXCEPT acute ischemic stroke				No treatment for unexplained hyperbilirubinemia								
within 3 hours				No previous antimicrobial therapy								
Suspected aortic		No chronic or underlying illness										
Active bleeding o		Not hospitalized longer than mother										
Relative Contraindica	Significant closed-nead of facial trauma within 3 months					3- Infant has no evidence of skin, soft tissue, bone, joint						
History of chronic	History of chronic, severe, poorly controlled hypertension					or ear infection						
Severe uncontroll	Severe uncontrolled hypertension on presentation (SBP greater than					4- Infant has these laboratory values: White blood cell count of 5 000 to 15 000 per						
180 mm Hg or DBP greater than 110 mm Hg)†				mm3 (5 to 15 x 109 per L)								
History of prior ischemic stroke greater than 3 months, dementia, or				Absolute band cell count of =1,500 per mm3</td								
Known Intracranial pathology not covered in contraindications				(=1.5 x 109 per L)</td								
surgery (within less than 3 weeks)				I en or tewer white blood cells per high-power								
Recent (within 2 to 4 weeks) internal bleeding				Fi	neid on ve or fewe	microso white h	lood cells n	er high-nc	June			
Noncompressible vascular punctures					field on	microso	copic examir	nation of s	stool			
For streptokinase/anistreplase: prior exposure (more than 5 days					in infan	t with di	arrhea					
ago) or prior allergic reaction to these agents				McIsaac Cri	teria for G/	S Pharv	ngitis					
Pregnancy				History of ter	np >38	· ····,	J		ſ			
Active peptic ulce		Absence of Cough										
of bleeding		Tonsillar swelling or excaudate										
				Age 3-14 15-44 (0) >45 (-1)								
				RISK of GAS	S 0=1%. 1=1	0%. 2=1	7%. 3=35%.	4-5=50%				

EF	Rdo	cs.ca		Some U	seful (Clini	<u>cal</u> De	cision Rule	es	Last	Editor: Editor: t Reviewed:	O Kolen Sap 1, 2	chenko 012
able 1. Croup scori	ing system	of Westley et al ¹								The Fine	<u>Pneumoni</u>	a Severit	<u>y Index</u>
	Croup s	core					>4 N	lild		Demograp	phic factors	<u>.</u>	
ymptoms	0	1	2		3	5	4-6 N >6 S	lod		o Mal	es [.] Age (in	vears)	
tidor at rest	None	Audible with stethoscope	Audible stethos	without cope	-	-	20 3	evere		o Mar	nales: Age	(in vears)	-10
letractions	None	Mild	Modera	te	Severe	-				Nursir	ng home re	sident+10)
ir entry	Normal	Decreased	Severe	y decreased	-	-				<u>Comorbid</u>	illnesses		
yanosis	None	With agitation	At rest		-	-	_			Neopla	astic diseas	se: +	-30
evel of	Normal	-	_		-	Altere	d			Liver	disease:	+2	0
onsciousness										Conge	stive heart	failure:	+10
Ottawa kne Age 55 year Tenderness Isolated ten Inability to f Inability to v after the inju Pittsburgh Blunt traum either of the Age younge Inability to v emergency OTTAWA (not for pr X-rays are c malleolar or * Bone te malleolus * Bone te * Bone te	ee rules rs or olde at head derness of lex knee t valk four v decision a or a fall e following er than 12 valk four v departme ankle ar regnant midfoot a nderness nderness	r of fibula of patella o 90 degrees weight-bearing st the emergency of rules as mechanism of g: years or older th weight-bearing st ent nd foot rules or children red if there is any area, and any one along the distal of at the base of th at the pavicular	eps immed departmen of injury plu han 50 year eps in the e of the foll 6 cm of the 6 cm of the e fifth meta	e owing: posterior ec atarsal (for fc	Alg. Patients with F Is the patient of the followin Neoplastic - Congestive Cerebrovasa Renal disea Liver diseas Does th of the folloy physic Altered mei Pulse > 125 Respiratory Systolic blo Temperatur Assign p	orithm 1 a communi- meumonia $\sqrt{N_0}$ over 50 y $\sqrt{N_0}$ and heart failu- cover 50 y $\sqrt{N_0}$ and heart failu- cover 50 y $\sqrt{N_0}$ and examinate rate $\geq 30/000$ grossus e < 35°C tibia C fibula S).	For Prediction ty-acquired ty-acquired cars of age? history of any id conditions? re- se ave any malities on ation? minute e < 90 mmHg $r \ge 40^{\circ}\text{C}$ sk class I or tip of the or tip or tip o	<pre>on Model Yes Ye</pre>	rt to V bdel am	Renal Physical a Altered Respir or more: Systoli mmHg: Tempe or 40 Pulse Laborator pH <7. BUN > Sodiur Glucos Hemat PO2 < Pleura Stratific Pieura Kisk F Low Low Low	disease: examinatio d mental state atory rate 3 ic blood pre- erature <35 degrees C 125/minute cy findings .35: 10.7 mmol m <130 mE se >13.9 m tocrit <30 p 60 mmHg fill affusion: cation of F cation Model Risk Class I Alg II 70 fill II 71- IV 91	n findings atus:	+10 +20 C +15 +10 +20 +20 +10 +10 +10 +10 +10 -10
* An inabi	ility to bea	ar weight both im	mediately	and in the en	nergency	depar	tment for	four steps.		. ngn	•		Jointo
Notes and	Equation	s.		Age <50 HR <100			Asthm	a CAEP Class	ifica	ation			
Child Wt=8+	(age x 2)	<u>.</u>		SaO2 >94%	>94%		N N		Mi	ld	Moderate	Severe	Near
ET in child=4+Age/4			No unilateral leg swelling		lling							Death	
ET Placeme	ET Placement=size x 3			No hemoptysis		aoni	Adult	Osat			10.000/	<90	<90
SBP child=70+Age x 2 AaGradiant=710 x FiO2 – PCO2/0.8 – PaO2 Anion Gap= Na – Cl – NaHCO3 Burn Parkland ml/24hr=4 x Wt x BSA%		No frecent realitationary No prior PE/DVT No hormone use (if all 8 criteria are negative, pretest probability of PE is low)		yery		FEV1	>60% >2.1		40-60%	<40%	N/A		
						PEFR	>3	00	200-300	<200	N/A		
					Child	Osat	>9	5%	92-95%	80-92%	<80%		
Ca correction =SCa + 0.02 (40 – Alb) QTC=QT/sqr (R-R in Sec) Osmolar gap=S. Osm – (2xNa+G+BUN+ETOH) Na deficit =0.6 x (140 - S. Na) Na Daily req=Wt x 3-4 mEq/d						FEV1/PEFR	>7	′5%	50-75%	<50%	N/A		
				w)		Speech	No	ormal	Normal	Difficut	Silent		
							Mentation	No	ormal	Normal	Anxious agitated	Confused	
Factional Na execr=(U.Na/S.Na)/(U.Cr/S.Cr)x100%				0%				Other		Night/exercise No full symptoms relief with SABA		Tachy, labored	Brady
		CHADS2 scc C congestiv H hypertens A age ≥75 D diabetes S2 stroke/TL Anticoagula CHADS2 scc 0 Aspirin 1 Warfarin/A	ore e heart fail sion (BP>1 A tion based ore	ure 1 40/90) 1 1 2 2	CHA2D C cong H hyp A2 age D diab S2 stro V vas A age Sc fen Antico CHA2D 0 not 1 Dab	S2-V/ gestive ertens ≥75 betes bke/TI/ cular o e 65-74 hale ge agula S2-V/ herap igatra	ASc scor heart fai ion (BP> d/s (PVD, hender tion base ASc scor y/Aspirin n/Warfari	e ilure 1 140/90) 1 2 1 2 MI etc) 1 1 1 ed on e e	Anı CH	nual Stroke R ADS2: $0 \rightarrow 1$. $1 \rightarrow 2$. $2 \rightarrow 4$. $3 \rightarrow 5$. $4 \rightarrow 8$. $5 \rightarrow 12$ $6 \rightarrow 18$	lisk 9% 8% 0% 9% 5% 2.5% 8.2%		

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PE severity index								
<u>Predictors</u> : Demographics	Score:	Low Risk (can treat with LMWH as out-patient) ≤ 65: class I overall 90 day mortality 0.7%						
Age Male sex	years +10	66-85: class II	1.2%					
Co-morbidities		High Risk						
Cancer	+30	86-105: class III	4.8%					
Heart failure	+10	106-125: class IV	13.6%					
Chronic lung disease	+10	> 125: class V	25.0%					
Clinical Findings								
HR > or = 100	+20							
SBP < 100 mmHg	+30							
RR > or = 30	+20							
Temperature <36C	+20							
Altered LOC	+60							
SaO2 < 90%	+20							