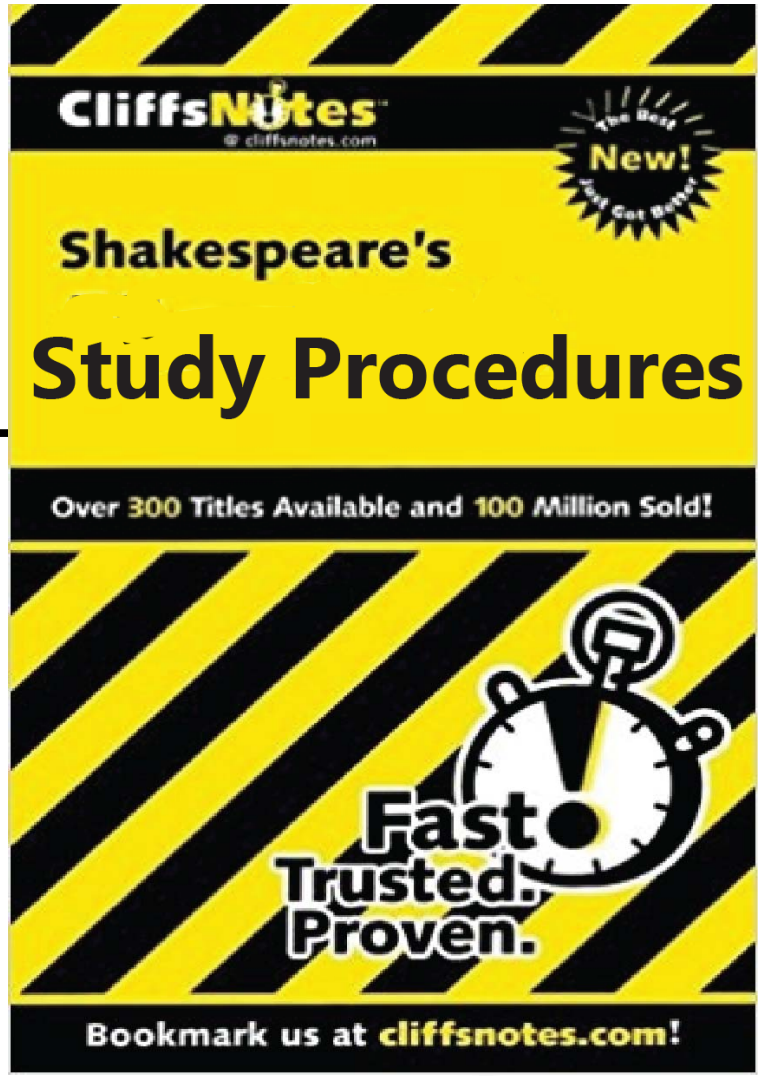
HOBIT

Frederick Korley, M.D., Ph.D.



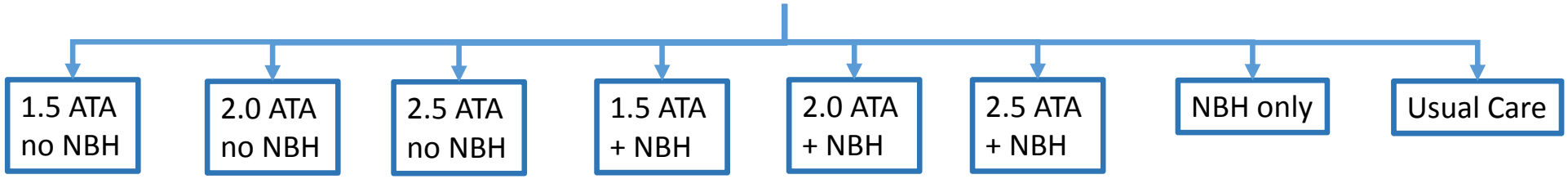
60 minutes BID

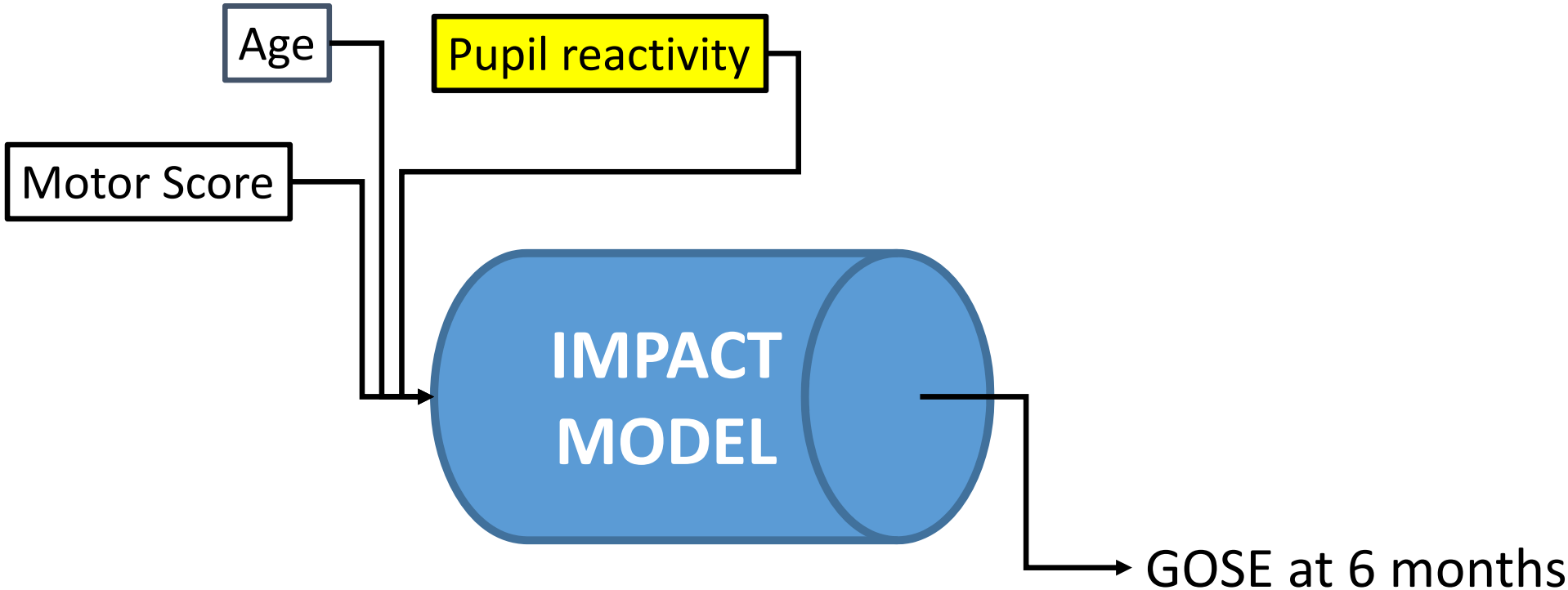
Bilateral myringotomy before first dive

Check for patency daily

10 dives in total

- **Second dive: at least 8 hours after first**
- **Subsequent dives are at q12hrs (+/- 2hrs)**
- **NBH treatment is 3 hours per session**

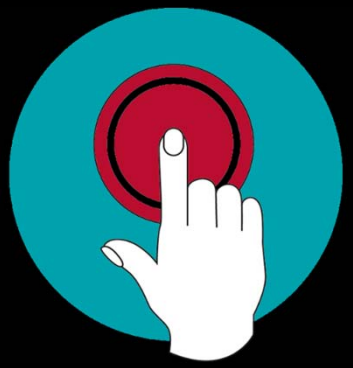




Sliding Dichotomy

Initial head CT
First repeat head CT

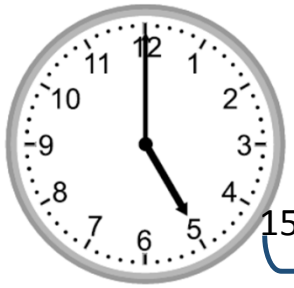
Central repository

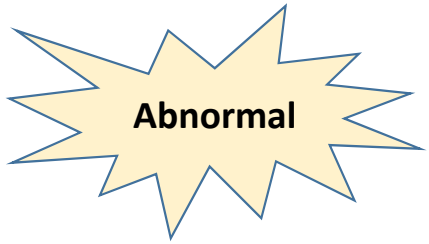


Physiologic Data – Clinical Flowsheet

ICP **MAP** **CPP** **PbtO2**

record





15 mins 15 mins 15 mins

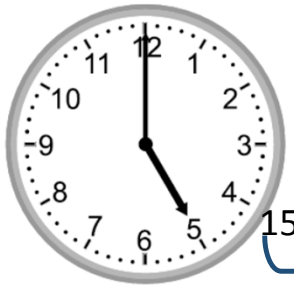
record record record record

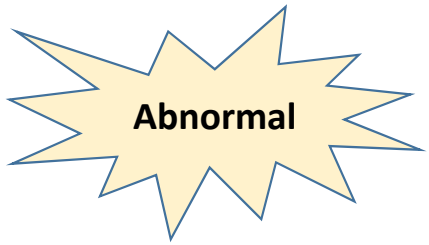
record

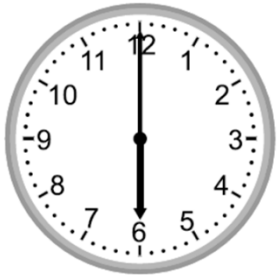
Physiologic Data - WebDCU

ICP **MAP** **CPP** **PbtO2**

Record only if abnormal







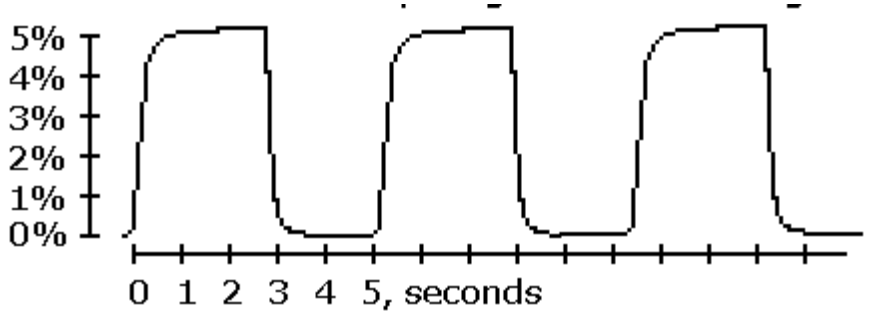
15 mins 15 mins 15 mins

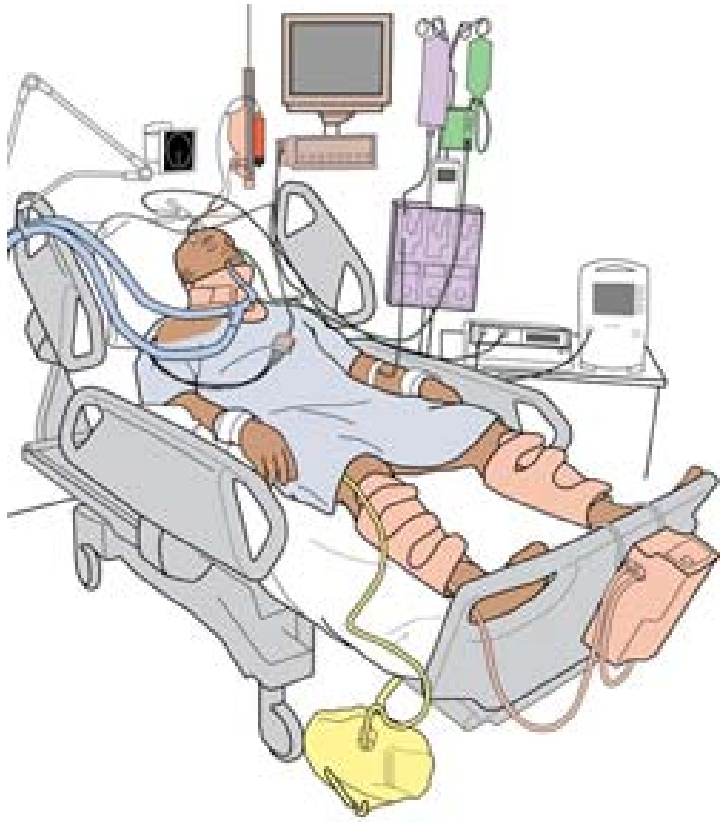
Record only if abnormal

Record only if abnormal

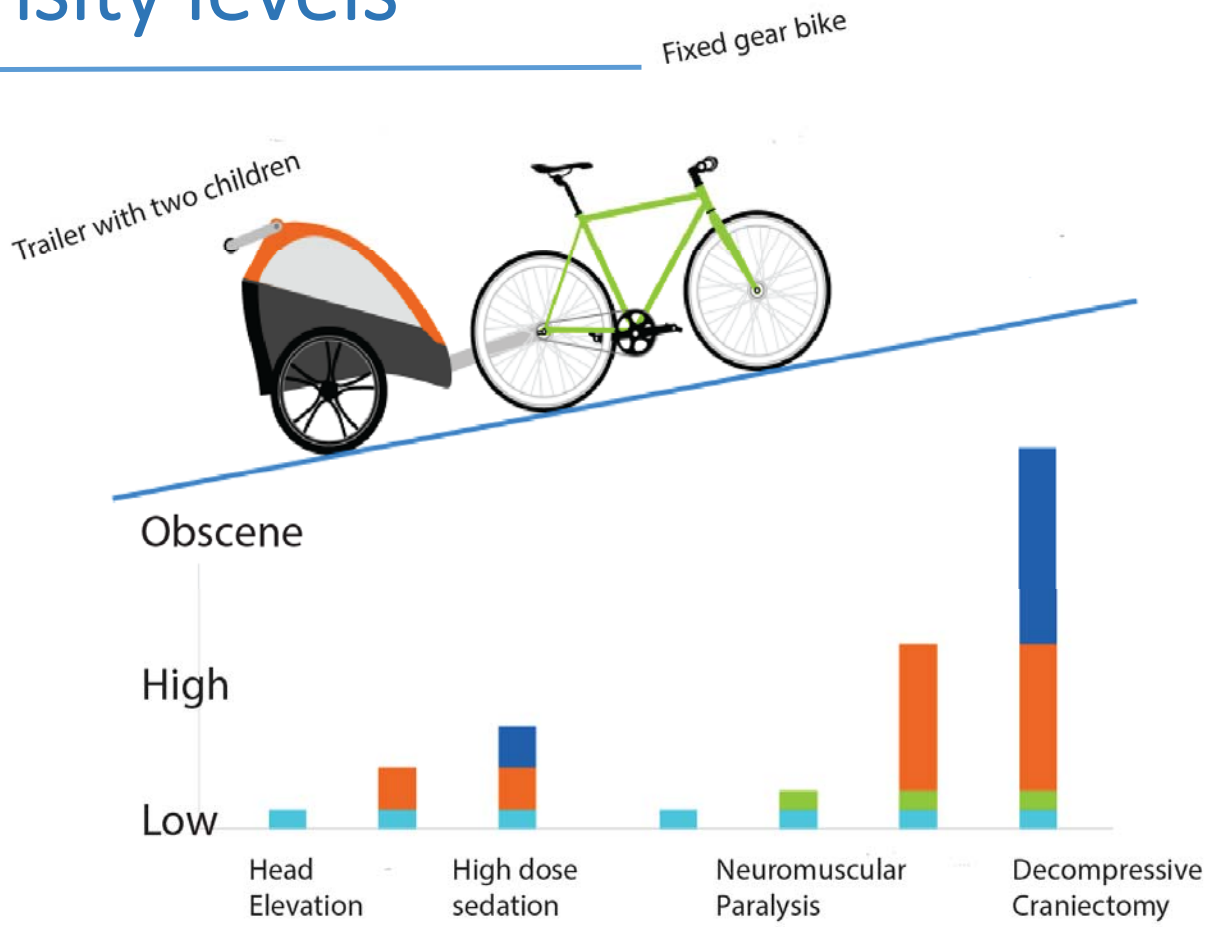
Record max/min value for the hour

EtCO2





Therapeutic intensity levels



			Assignment of scores	
			Score	*Max score*
○No	○Yes	Head elevation for ICP control	1	
○No	○Yes	Nursed flat (180°) for CPP management	1	1
○No	○Yes	Sedation (low-dose as required for mechanical ventilation)	1	
○No	○Yes	Higher-dose sedation for ICP control (not aiming for burst suppression)	2	
○No	○Yes	Metabolic suppression for ICP control with high-dose barbiturates or propofol	5	
○No	○Yes	Neuromuscular blockade (paralysis)	3	8
○No	○Yes	CSF drainage < 120 mL/d (<5 mL/h)	2	
○No	○Yes	CSF drainage ≥ 120 mL/d (≥5 mL/h)	3	3
○No	○Yes	Fluid loading for maintenance of cerebral perfusion	1	
○No	○Yes	Vasopressor therapy required for management of cerebral perfusion	1	2
○No	○Yes	Mild hypocapnia for ICP control ($PaCO_2$ 4.6–5.3 kPa [35–40 mm Hg])	1	
○No	○Yes	Moderate hypocapnia for ICP control ($PaCO_2 \geq 4$ kPa [30 mm Hg])	2	
○No	○Yes	Intensive hypocapnia for ICP control ($PaCO_2 < 4$ kPa [30 mm Hg])	4	4
○No	○Yes	Hyperosmolar therapy with mannitol up to 2 g/kg/24 h	2	
○No	○Yes	Hyperosmolar therapy with hypertonic saline up to 0.3 g/kg/24 h	2	
○No	○Yes	Hyperosmolar therapy with mannitol > 2 g/kg/24 h	3	
○No	○Yes	Hyperosmolar therapy with hypertonic saline > 0.3 g/kg/24 h	3	6
○No	○Yes	Treatment of fever (>38°C) or spontaneous temperature of 34.5°C	1	
○No	○Yes	Mild hypothermia for ICP control with a lower limit of 35°C	2	
○No	○Yes	Hypothermia below 35°C	5	5
○No	○Yes	Intracranial operation for progressive mass lesion, not scheduled on admission	4	
○No	○Yes	Decompressive craniectomy	5	9
		Total maximal score:		38[a]

Others

ABG prn

GOSE at 1, 3 and 6 months

Chest X-Ray prn