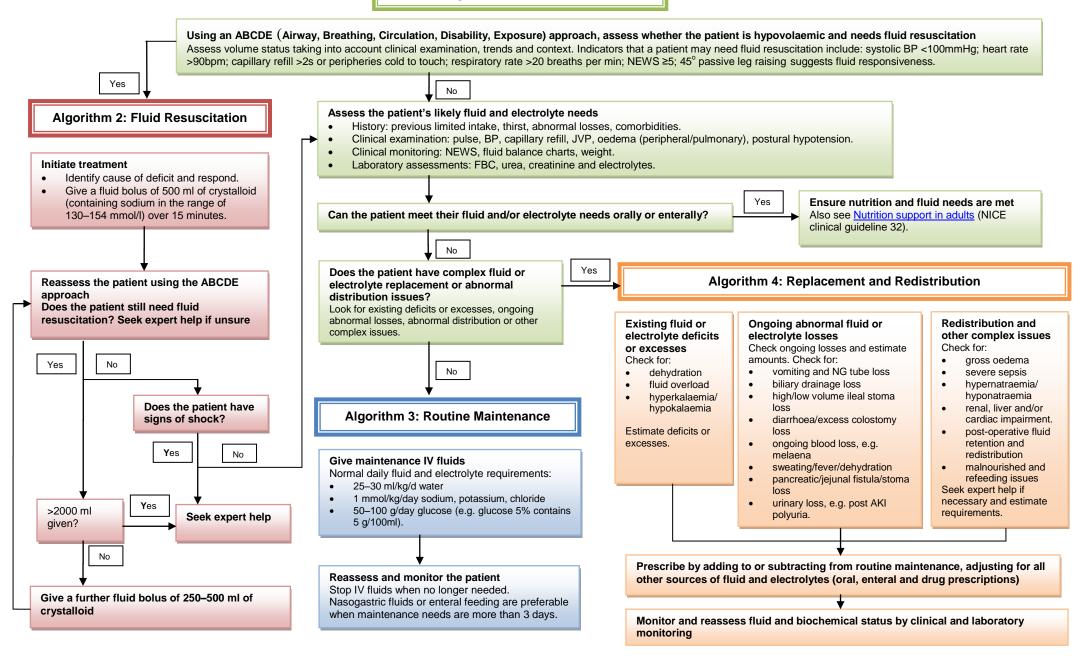
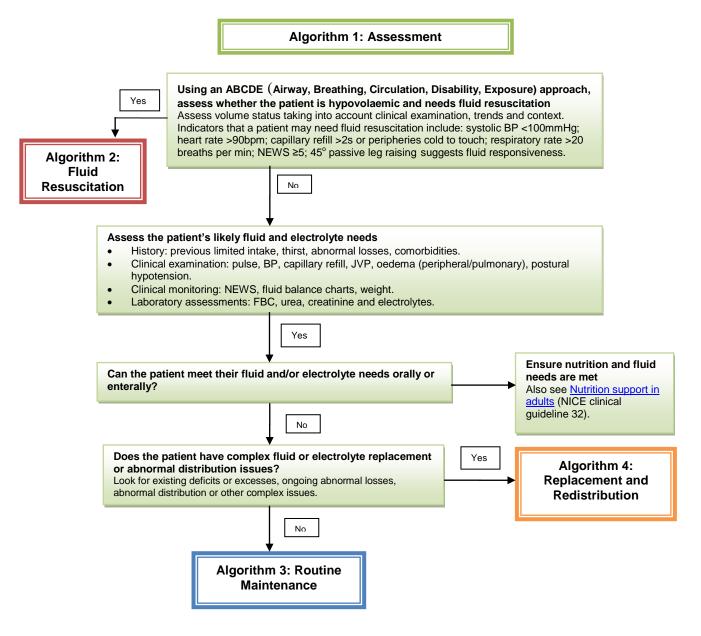
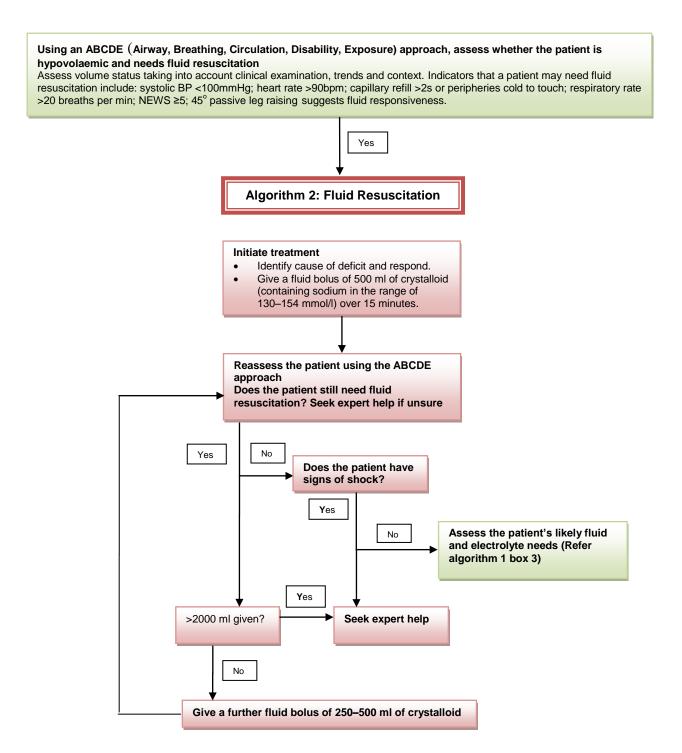


Algorithm 1: Assessment

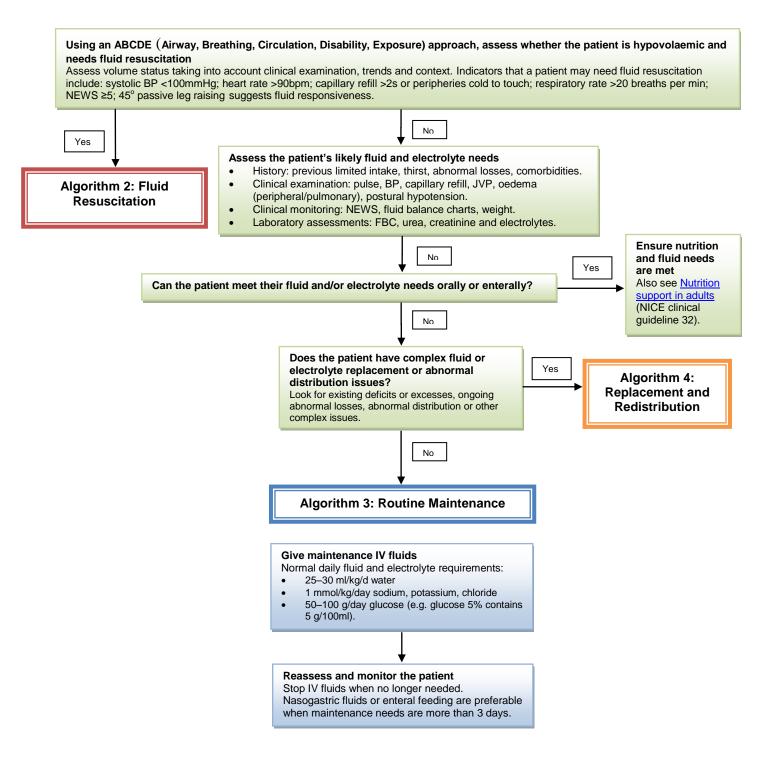








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Using an ABCDE (Airway, Breathing, Circulation, Disability, Exposure) approach, assess whether the patient is hypovolaemic and needs fluid resuscitation Assess volume status taking into account clinical examination, trends and context. Indicators that a patient may need fluid resuscitation include: systolic BP <100mmHg; heart rate >90bpm; capillary refill >2s or peripheries cold to touch; respiratory rate >20 breaths per min; NEWS ≥5; 45° passive leg raising suggests fluid responsiveness.			
	No		
 History: previous limit Clinical examination: (peripheral/pulmonar) Clinical monitoring: N 	Iy fluid and electrolyte needs ted intake, thirst, abnormal losses, c pulse, BP, capillary refill, JVP, oede y), postural hypotension. IEWS, fluid balance charts, weight. ents: FBC, urea, creatinine and elect	ma	
			sure nutrition and fluid needs
Can the patient meet their fluid and/or electrolyte needs orally or enterally?			
	No		CE cimical guideline 32).
distribution issues? Look for existing deficits or excesses, ongoing abnormal losses, abnormal distribution or other complex issues. Yes Algorithm 4: Replacement and Redistribution			
Existing fluid or electrolyte deficits or excesses Check for: • dehydration • fluid overload • hyperkalaemia/ hypokalaemia Estimate deficits or excesses.	 Ongoing abnormal fluid or electrolyte losses Check ongoing losses and estimate amounts. Check for: vomiting and NG tube loss biliary drainage loss high/low volume ileal stoma loss diarrhoea/excess colostomy loss ongoing blood loss, e.g. melaena sweating/fever/dehydration pancreatic/jejunal fistula/stoma loss urinary loss, e.g. post AKI polyuria. 	Redistribution and other complex issues Check for: • gross oedema • severe sepsis • hypernatraemia/ hyponatraemia • renal, liver and/or cardiac impairment. • post-operative fluid retention and redistribution • malnourished and refeeding issues Seek expert help if necessary and estimate requirements.	
Prescribe by adding to or subtracting from routine maintenance, adjusting for all other sources of fluid and electrolytes (oral, enteral and drug prescriptions)			
Monitor and reassess fluid and biochemical status by clinical and laboratory monitoring			

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