

APLS: P-TRAUMATIC

T	Tranexamic acid	<ul style="list-style-type: none"> • If not administered already 15 mg/kg bolus (max 1 g), followed by • 2 mg/kg/hr over 8 hours (max 125 mg/h)
R	Resuscitation	<ul style="list-style-type: none"> • Activate MHP and consider: • Rapid infuser • Cell salvage • Normotensive resuscitation (unless post pubertal) • Pelvic binder/splint fractures/tourniquet • Limit crystalloid and colloid use
A	Avoid hypothermia	<ul style="list-style-type: none"> • Target temperature over 36 degrees Celsius • Remove wet clothing and sheets • Warm fluids • Warming blanket/mattress/external warmer
U	Unstable? Damage control surgery	<ul style="list-style-type: none"> • If unstable, coagulopathic, hypothermic or acidotic, consider damage control surgery • Aim surgery time less than 90 minutes • Haemorrhage control, decompression, decontamination and splintage
M	Metabolic	<ul style="list-style-type: none"> • Avoid acidosis • Base excess guides resuscitation • If lactate more than 5 mmol/litre or rising, consider stopping surgery, splint and transfer to PCCU • Monitor blood glucose
A	Avoid vasoconstrictors	<ul style="list-style-type: none"> • Inappropriate use of vasoconstrictors doubles mortality • However, use may be required in cases of spinal cord or traumatic brain injury
T	Test clotting	<ul style="list-style-type: none"> • Consider TEG® (thromboelastographic)/ROTEM® • Check clotting every 15 ml PRBC/kg body weight • Aim platelets over 75 x 10⁹/litre • Aim INR & aPTT less than or equal to 1.5 • Aim fibrinogen more than 1.5 g/litre
I	Imaging	<ul style="list-style-type: none"> • Consider: <ul style="list-style-type: none"> • Local guidelines for paediatric trauma • Does this child need imaging at all? • If imaging is required which anatomical area(s) need to be covered?
C	Calcium gluconate	<ul style="list-style-type: none"> • Maintain ionised calcium more than 1.0 mmol/litre • Administer 0.2 ml/kg 10% calcium gluconate over 10 minutes as required • Give calcium routinely after MHP pack one