

Kittitas County Prehospital EMS Protocols

SUBJECT: SODIUM BICARBONATE

ACTION:

Combines with excessive acids to form a weak volatile acid, increases pH.

INDICATIONS:

Hyperkalemia, tricyclic anti-depressant overdose, presence of
Crush Injury Syndrome

CONTRAINDICATIONS:

Alkalotic states.

PRECAUTIONS:

Correct dosage is essential to avoid overcompensation of pH, can deactivate catecholamines,
can precipitate with calcium.

SIDE EFFECTS:

Alkalosis

DOSAGE:

1 mEq/kg initially followed by 0.5 mEq/kg every 10 minutes until blood gas studies are
available

ROUTE:

IV / IO

PEDIATRIC DOSE:

Same as above.