

**Situation:** Patients using the Covidien Kangaroo e-Pump continue to experience instances of the pump beeping occlusion and/or flow error. This is more prevalent in patients who have gastrostomy or jejunostomy tubes with specific formula types such as Peptemen Jr. and Nestle Complete. The Quality Safety Department along with Bio-Med, Materials, Nutrition Services and CPDP has been working with the manufacturer to determine next steps.

**Background:** After changing to the Covidien Kangaroo e-Pump feeding pump in July of 2013 there were an increased number of safety learning reports related to pump malfunction. Children's had additional consultation with the manufacturer including several return visits by the Covidien representative to provide additional education and training on the pump to nursing staff, still certain combinations of feeding tubes and formulas continued to cause frequent alarms. In February 2013 Children's worked with Covidien to trial another model pump that staff reported thru evaluations would not meet the current needs of Children's patients.

**Assessment:** Currently Children's will continue to use the Covidien Kangaroo e-pump while we explore options within Covidien and with other manufacturers.

**Recommendation:** An algorithm was created to assist staff experiencing alarms with the Kangaroo e-pump. This algorithm walks through troubleshooting the pump including assessment of the feeding tube and if there is not a resolution makes recommendations of next steps. See the following page for the algorithm.

## Trouble Shooting the Covidien Kangaroo e-Pump

### What to do when the pump is beeping occlusion or flow error:

