

RETROSPECTIVE ANALYSIS OF WEIGHT BASED HEPARIN PROTOCOL IN A COMMUNITY HOSPITAL (A3), Morgan Hutchings. Central Washington Hospital, Wenatchee, (morgan.hutchings@cwhs.com) IRB received

Current recommendations for weight based dosing with heparin in cardiac patients are not as well defined as other indications such as deep vein thrombosis. Per American College Cardiology guideline recommendations weight based dosing of 60units/kg bolus (max 4000units) and 12units/kg/hr (max 1000units/kg/hr) continuous infusion for unstable angina is indicated. Currently at Central Washington Hospital a higher initial dosing rate for continuous infusion rates is utilized. Retrospective analysis of weight based heparin protocol for three indications were assessed. Initial doses and subsequent stable continuous infusions were evaluated and the hypothesis of over anticoagulation in unstable angina tested. Paired student t test and descriptive statistics were utilized. A total of 92 subjects met the inclusion criteria that had unstable angina. A two tailed p value of less than 0.05 was considered significant. There was a significant difference between the initial starting dose of heparin continuous infusion (13.4units/kg/hr) and subsequent stable continuous infusion at 48 hours (12.4units/kg/hr) ($p=0.001$). Thoughts on improving Central Washington Hospital protocol and results will be discussed in further detail.