PO-0296  PREVALENCE OF INTERCURRENT ILLNESS IN CHILDREN AGED 0–4 YRS, WHO PRESENT TO PEDIATRIC A&E WITH MINOR HEAD INJURY, AND THEIR MANAGEMENT WITH REGARDS IMAGING

C Mckenna, C Stewart, W Teranaka, E Abrahamson. Paediatric Emergency Department, Chelsea and Westminster Hospital, London, UK

Background Minor head injury is a common presentation to Paediatric Emergency Departments (PED). Various clinical decision rules exist to help clinicians decide which patients require radiological investigation, several include 3 or more discreet vomits. Anecdotally there is a subgroup of patients with minor head injury (MHI) who have intercurrent illnesses (ICI), however there is a paucity of research into this group and their management, particularly with regards imaging.

Objectives
1) To quantify the proportion of children (aged 0–4 yrs) who present to the PED with MHI and have symptoms of ICI.
2) To determine if these children are more likely to vomit than their counterparts.
3) To establish current clinical practice for children with ICI and vomiting post MHI.

Results
Of 1203 children aged 0–4 yrs presenting to a PED in central London between April 2011 and 2012 with minor head injury, 88 (7.3%) had symptoms of an ICI. Children who had symptoms of ICI (38/88) were more likely to vomit than those who did not (92/1112) (p < 0.001). Of 16 patients who had an ICI and 3 or more vomits following head injury only 2/16 (12.5%) underwent CT head compared with 8/27 (29.6%) in the non ICI group. There were no cases of brain injury in either group.

Conclusion Minor head injury occurs frequently in the presence of ICI in younger children. These patients are more likely to vomit and clinicians are consciously contradicting current guidelines and interpreting imaging criteria within a clinical context.

PO-0298  LIMITING WORKING SHIFT TIMES FOR PEDIATRIC EMERGENCY DEPARTMENT PHYSICIANS REDUCES NUMBER OF COMPLAINTS BY PATIENTS’ PARENTS

G van Berlaer, V Van Mulders, I Hubloue. Department of Emergency and Disaster Medicine, UZ Brussel, Brussels, Belgium

Background Paediatric trainees have always worked many and long shifts during their education, especially while providing 24/7 continuity of care at the Department of Emergency Medicine. It is depicted that longer shifts lead to more medical errors and less patience with colleagues and patients.

This study aims to quantify the effect of reducing working shift duration for paediatric trainees on the number of complaints by parents of paediatric patients.

Methods The study is conducted in the Paediatric Emergency Department (PED) of a large tertiary hospital. Paediatric residents used to work shifts of over 24 h before, but work was reorganised introducing a rotational working scheme in 2008 reducing shift duration for paediatric trainees to an absolute maximum of 14 h. All complaints filed by parents of paediatric patients were analysed. Periods before and after introduction of the rotational reduced shift system were compared regarding number of complaints, severity of these complaints, and number of reported verbal or physical aggressions.

Results Between 2003 and 2012, more than 150,000 patients presented to the PED. Less than 1% of these contacts led to a complaint. The number of complaints filed by parents still dropped significantly after reducing working shift times for