

markedly elevated. A lateral cervical spine X-ray excluded bony pathology, but revealed pre-cervical soft tissue swelling. MRI showed extensive signal change in the odontoid peg, along with enhancement and fluid distension of the joint capsule – appearances in keeping with a diagnosis of septic arthritis of the atlanto-axial joint and osteomyelitis of the odontoid peg. The patient was commenced on once-daily intravenous antibiotics for six weeks, before switching to oral therapy for a total of three months. He responded well to treatment and recovered a full range of neck movements. Repeat imaging demonstrated resolution of inflammatory changes, and he was discharged from follow-up.

A high index of suspicion is required for the diagnosis of osteomyelitis, as it has variable presentation and initial investigations may be misleading. This case indicates that nuclear imaging should be done as a matter of urgency in a child who has no appreciable active or passive neck movement to rule out bony pathology, and that although a rare cause of stiff neck in children, odontoid peg osteomyelitis should be considered as a differential diagnosis even in a child who does not look septic. This case also illustrates that odontoid peg osteomyelitis may subsequently lead to septic arthritis of the atlanto-axial joint, which has not been previously described in the literature.

#### G453(P) MANAGEMENT OF KAWASAKI DISEASE IN A DISTRICT GENERAL HOSPITAL. IS THERE AN OPTIMUM ASPIRIN DOSE?

K Murtagh, F Damda. *Department of Paediatrics, University Hospital Lewisham, Lewisham and Greenwich NHS Trust, London, UK*

10.1136/archdischild-2015-308599.407

**Aims** Kawasaki disease (KD) is the commonest cause of paediatric acquired heart disease in the UK. Early treatment significantly reduces coronary artery complications. This study aimed to identify cases of KD presenting to our district general hospital (DGH). We wished to see how well diagnosis and management adhered to local guidelines.

**Methods** Retrospective review of case notes of patients admitted to our district general and diagnosed with KD between October 2011 and October 2014. Diagnosis and management was compared to local guideline.

**Results** Eighteen KD patients of variable age (3 months to 9 years) and ethnicity were identified. Two thirds of cases had incomplete KD. All had a history of fever >5 days. Diagnostic features included conjunctivitis (16/18); mucosal changes (15/18); rash (11/18); cervical lymphadenopathy and peripheral extremity changes (8/18). Irritability was a common feature. BCG scar changes were also present (2/18).

All cases received intravenous immunoglobulin (IVIG) at 2 g/kg and high dose aspirin at 30–100 mg/kg/day except one who received aspirin alone as afebrile at presentation.

Five patients had suspicion of coronary artery dilatation/prominence on initial echocardiogram. Three subsequently developed coronary artery dilatation all of whom had received IVIG during first week of fever.

Three cases were transferred to tertiary centre for second-line management encompassing repeat IVIG (3/18), infliximab (2/18) and corticosteroids (1/18).

**Conclusion** Two thirds of KD cases were incomplete. Ninety-four percent had IVIG. Inflammatory markers, laboratory criteria and BCG scar change did not correspond with cardiovascular complications. Dose of aspirin given varied between 30–100 mg/kg/day depending on tertiary centre recommendation. All patients were managed appropriately. Those that failed to respond were referred to a tertiary centre. This study demonstrates most KD can be managed locally with adherence to clear guidelines and receiving tertiary advice when required. However clearer consensus on high-dose aspirin is needed.

#### G454(P) RETROSPECTIVE SURVEY OF CHILD PROTECTION CASE CHARACTERISTICS IN AN ACUTE AND COMMUNITY SETTING

R Sharma, P Mistry. *Community Paediatric Department, University Hospitals of Leicester, Leicester, UK*

10.1136/archdischild-2015-308599.408

**Aim** The first principle of safeguarding services stated in the Munro report 2010<sup>1</sup> places the quality of experience and views of the child at the centre. Lord Laming's review in 2009<sup>2</sup> recommended minimum requirements to be met during the safeguarding process. Safeguarding assessments for children occur in both an outpatient (OP) clinic setting and in an acute out of hours (OOH) setting. The aim of this survey was to compare the number, type and outcome of safeguarding assessments between these two settings.

**Method** Retrospective case-notes review of all cases where a safeguarding examination was completed due to Section 47 concerns from January to March 2013. Those that were referred due to accidental incidents or where there was found to be no safeguarding concern were excluded. Data was obtained on documentation of the process and timeline for assessment as well as the types of case assessed. Outcomes one year later included children remaining with biological family and children remaining on a child protection plan.

**Results** A total of 67 safeguarding cases were seen during that period of time. 78% were seen in an OP setting. Median age = 5 yrs 7 months (IQR 2 to 9 years). OOH median age = 20 months (IQR -12 to 35 months). Median waiting times and type of abuse were similar. Twenty eight percent were on a child protection plan (CPP) at the time of referral to the OP service versus 9% for OOH referrals. Fractures and burns were more often seen in the OOH setting whereas no injury seen was more often documented in the OP setting.

**Conclusions** The type of safeguarding cases seen do differ between acute and community settings in the age of presentation, the type of injury seen, the presence of history taking from the child and the numbers on a child protection plan at the point of referral. However the type of abuse, whether physical, neglect or sexual is similar. Further work needs to be done on standardising safeguarding practice across acute and community settings.

#### REFERENCES

- 1 The Munro Review of Child protection. Department of Education. 2011
- 2 The Protection of Children in England: A Progress Report. Department of Education. 2009