Glutathione peroxidase (GSH-Px), superoxide dismutase (SOD), catalase (CAT) and malondialdehyde (MDA) levels were measured to show oxidative stress. All analyses were made with SPSS program and p < 0.05 was considered statistically significant.

**Results**
Transaminase levels were high, thrombocyte and leukocyte numbers were low in 6-MP group as compared to 6-MP+CAP group (p < 0.05). Transaminase, glutathione peroxidase, catalase levels were low and malondialdehyde level was high in both blood and tissue samples of 6-MP group when compared to 6-MP+CAP group (p < 0.05).

**Conclusion**
These findings suggest that *C. ovata* may prevent against some haematological and biochemical side-effects induced by 6-MP in rats. The histopathologically proven hepatotoxicity and bone marrow suppression induced by 6-MP via increasing the lipid peroxidation, synthesis of free oxygen species and decreasing the antioxidant enzyme activity may be prevented concomitant CAP administration. This study, first in the literature, examined the beneficial effects of *C. ovata* administration against 6-MP chemotherapy and will hopefully be a source for the future projects.

**Abstract PO-0247**

**S. PYOGENES REVIEWED IN A PAEDIATRIC POPULATION: AGE AND PREDICTIVE MODELS**

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**Background**
There isn’t universal agreement regarding streptococcal pharyngitis, still considered rare below age 3 years.

**Aims**
To study prevalence variations by age, season and clinical data. To test Centor and McIsaac scores and seek a better predictive model.

**Methods**
We retrospectively reviewed all clinical records of the patients seen in our hospital in 2011 selecting those in whom a throat swab for rapid antigen detection test or throat culture was collected to study prevalence and those with pharyngitis or scarlet fever diagnosis without throat swab to test score application effect on antibiotic prescription.

**Results**
GABHS prevalence: 28.3%, 1303 children included (aged 58 days-13 years), without seasonality:

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PO-0248
**EVOLUTIONARY PATTERN DURING THE LAST 12 YEARS OF OSTEOMYELITIS AND SEPTIC ARTHRITIS IN TWO HOSPITALS IN BARCELONA**

**Background and aims**
Infectious osteoarticular pathology has different clinical, etiological, diagnostic and therapeutic presentation. The aim is to analyse the clinical presentation, diagnosis, therapeutic management and evolution of patients included.

**Methods**
Retrospective review of admitted patients in the paediatric service of Hospital del Mar and Hospital de Nens de Barcelona with osteomyelitis and septic arthritis diagnosis between 1st January 2000 and 31st August 2012. 31 patients with osteomyelitis. Average age of 5.9 years, 35% located in the long bones of the lower extremities, *S. aureus* isolated in the 41% (etiologic agent not achieved in 48%).

**Results**
31 patients with osteomyelitis. Average age of 5.9 years, 35% located in the long bones of the lower extremities, *S. aureus* isolated in the 41% (etiologic agent not achieved in 48%). On average, the radiography is performed at 5.7 days; the radiouclide bone imaging at 7.1; the nuclear magnetic resonance at 10.8; the ultrasonography at 5.8. Average treatment duration of 46.2 days. Favourable and uncomplicated evolution in 61%.

44 patients with septic arthritis. Average age of 2.6 years, 48% located in the knee. Etiologic agent isolated in the 21%, *S. aureus* the most prevalent (11%). Arthrocentesis in the 59% and mean treatment duration of 23.1 days. 95% without complications.

**Conclusions**
Increased number of diagnoses of osteomyelitis and septic arthritis in relation to the ER number of visits. *S. aureus* is the most common etiologic agent, despite the low sensitivity of the collected medical cultivations. All patients have required sequential treatment: initially intravenously and lately orally. Most cases have a good clinical outcome.

PO-0249
**MEDICAL TREATMENT OF HYDATID CYSTS: ABOUT 6 CASES**

**Background and aims**
Hydatidosis is a common parasitic disease which is still endemic in Tunisia. Treatment is usually surgical.
PO-0247 S. Pyogenes Reviewed In A Paediatric Population: Age And Predictive Models
A Sancho, M Díaz-Almirón, J Yebra and M Hawkins

Arch Dis Child 2014 99: A325
doi: 10.1136/archdischild-2014-307384.898

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