juvenile idiopathic arthritis (JIA), although its occurrence in patients with other autoimmune or autoinflammatory conditions, i.e., adult- and childhood onset systemic lupus erythematosus, Kawasaki disease, and periodic fever syndromes, is being reported with increased frequency. Virus-associated MAS is a well-recognized entity. Most cases are related to Epstein–Barr virus (EBV), cytomegalovirus (CMV), and herpesvirus, while streptococcus and parvovirus B19-induced MAS is very rare. Complete recovery can be provided with early and efficient treatment in macrophage activation syndrome.

Disclosure of Interest
None Declared

Vasculitides II

P221
PARVOVIRUS INFECTION AND KAWASAKI DISEASE: ONE DISEASE FOR TWO SIBLINGS

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Introduction: Kawasaki disease (KD) is rarely described in siblings in the same time. In these cases, an infectious trigger must be excluded.
Objectives: We describe the clinical course of two brothers who showed severe KD all at once, secondary to Parvovirus infection.
Methods: A 9-month-old female showed fever, pallor, vomiting, bilateral non-secreting conjunctivitis, rash. Anamnesis revealed that 12 days before, she had fever, spontaneously resolved. At admission, 9 days after fever onset, she showed fever, conjunctivitis, pharyngitis, rash, and cervical adenopathy. Haematological parameters showed: leukocytosis, neutrophilia; anaemia; CRP: 2.31; ESR: 120. ECG and echocardiography were normal, including coronary Z-scores. She showed positive Parvovirus IgM. Spontaneous defervescence occurred. Further cardiological evaluation was performed to exclude a pericarditis secondary to Parvovirus, and at day 26 after fever onset, coronary artery lesions (CAL) were documented: proximal right coronary artery Z-score of 6.02; left main coronary Z-score: 5.72; left anterior descending Z-score: 5.78. The child was promptly treated with IVIG plus ASA.
A further echocardiographic evaluation showed worsening of CAL, with a sacciform aneurysm in the left anterior descending artery (Z-score:5.08). Laboratory test did not show inflammation; however, the girl was treated with 3 bolus doses of intravenous methylprednisolone (30 mg/kg/dose). The Z-score of CAL did not change and the patient was treated with anakinra (4 mg/kg/day), with a progressive improvement of CAL, and after 2 months, Z-scores normalized.
The 7-year-old brother presented fever, vomiting at the same time of the sister, with spontaneous resolution after 4 days. Four days later, he presented again fever with abdominal pain, tachypnoea and tachycardia, secondary anuria. He had: leukocytosis, neutrophilia, anemia; CRP: 0.24; CPK: 773; creatinine: 0.77; BUN: 111; elevated myocardial necrotic enzymes (c-Troponin T: 91.4; Pro-BNP: > 70.000).
Echocardiogram showed generalized hypokinesia, a severe reduction of the ejection fraction (EF) (20-25%); increased left atrium (Z-score: 3.3) and mitral valve with moderate insufficiency. He received dopamine, dobutamine, furosemide plus steroids. He showed a constant improvement of echocardiographic parameters, plasmatic enzymes and clinical signs. In 16th day he was discharged with an EF of 45% and persistent septal hypokinesia. However, specific serology anti-Parvovirus was tested and showed increased IgM, with negative IgG. The cardiological outcome revealed a progressive improvement of EF, which reached the 50%.
Results: CAL significantly improved after anakinra, at the contrary, the clinical evolution in the brother was different.
Conclusion: We describe familial KD in two siblings which had the same infectious trigger (Parvovirus). The brother was diagnosed as a post-viral myocarditis. However, considering the two parallel and different evolution, the girl showed late CAL with aneurisms, and the brother a Kawasaki shock syndrome picture with myocardial dysfunction. Viral illnesses are recognised trigger of KD, and in these cases the rareness is the coincident KD in two siblings, with different and severe clinical course. Noteworthy, the girl had aneurisms which resolved with anakinra, a therapy which has been recently shown to be promising for this disease. Informed consent to publish had been obtained from the parents.

Disclosure of Interest
None Declared

P222
PANCREATITIS IN HENOCH-SCHONLEIN PURPURA. A SINGLE-CENTRE OBSERVATIONAL STUDY

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Introduction: Henoch-Schönlein purpura (HSP) is the most frequent vasculitis in children. Typically, it is characterized by palpable purpura, joints swelling, arthralgia, abdominal pain with possible intestinal bleeding. In more severe cases, the patients show acute abdomen.
Acute pancreatitis is a rare dramatically evolutive, life-treating manifestation of SHS and it can be associated with a fulminant course. Persistent abdominal pain, need to be investigated by the dosage of serum pancreatic amylase, lipase and by abdominal MRI. In these patients, corticosteroid treatment is recommended and must be associated with parenteral feeding.
Objectives: We analysed the full series of children with HSP admitted to our paediatric unit in the period 2011-2018.
Methods: We retrospectively collected data of 50 children (age: 4-14 years), with HSP who needed hospitalization.
4/45 patients (9%) developed an acute pancreatitis.
All the patients were males, age:3-10 years. All the patients did not show other risk factors of pancreatitis.
Results: The treatment was parenteral feeding in 100% of the patients. One patient with pancreatitis and nephrotic syndrome received 3 bolus doses of methylprednisolone (30 mg/kg/dose) followed by prednisolone (2 mg/kg/day) and mycophenolate; one patient with pancreatitis and acute renal failure, received 3 bolus doses of methylprednisolone (30 mg/kg/dose) followed by a single-dose of cyclophosphamide (750 mg/m2), followed by azathioprine (50 mg/day). One patient showed a mild pancreatitis and healed with prednisolone (2 mg/kg/day) and parenteral feeding. One patient showed acute pancreatitis, associated with acute intestinal bleeding, orchitis, was treated with 3 bolus doses of methylprednisolone (30 mg/kg/dose) followed by prednisolone (2 mg/kg/day). Steroids treatment was progressively tapered until the complete resolution of the pancreatic involvement.
Conclusion: Acute pancreatitis is a rare and life-treating manifestation of HSP. High-doses steroids are a recognised and useful treatment, associated with parenteral feeding. In non-responders to steroids, immune suppression treatment is the second-line treatment to induce remission. The choice depends on associated manifestations of HSP and on associated failure of other organs.

Disclosure of Interest
None Declared