On arrival, he had GCS of 6/15, pupils were pin point, capillary refill time (CRT) was 3–4 seconds, tachycardic and hypothermic with temperature of 34.5°C. The rest of physical examinations were normal. No obvious haemorrhage on the circumcision site. He was given 20mls/kg of normal saline and started on intravenous Cefotaxime. Temperature was stabilised with thermal mattress and continuous maintenance intravenous fluid and CRT had improved to 2 seconds. Lignocaine toxicity was suspected and he was given Intralipid 20% as per protocol. His conscious level improved momentarily following Intralipid administration but became impaired again. He was intubated and ventilated and was transferred to tertiary Paediatric Intensive Care Unit (PICU) for further management. He made a full recovery and was discharged home.

Discussion Overall safety record of local anaesthesia in paediatric population has been good provided administered within safe guidelines. Patients at the extremes of age and women who are pregnant more susceptible to local anaesthetic toxicity. Rates of severe systemic toxicity (seizures with or without cardiac arrest) occur up to 1:2000 for peripheral nerve blocks, depending on the type of block (Torp KD & Simon LV, 2018). A retrospective study by Fotaine et al (1994), 1358 circumcised male infants revealed that 1022 had a dorsal penile nerve block (DPNB) as the anaesthetic technique and there were no reports of local anaesthetic toxicity in these cases. Despite the apparent safety of lignocaine, extra precautions should be applied in administering the medication in paediatric population. This case could be an example that despite the safety profile of lignocaine, severe toxicity still could occur.

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GP63 PERIMENSTRUAL RHINITIS – A CASE REPORT

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Background and aims Rhinitis is defined as the presence of one or more of the following symptoms: sneezing, anterior or posterior rhinorrhea, nasal congestion or nasal itchiness. The most common causes of rhinitis are allergic, nonallergic and mixed, however there are a number of others including hormonal rhinitis seen in pregnancy. There is also an identified link between menstruation and worsening of asthma symptoms, often referred to as perimenstrual asthma.

Our aim is to report the case of a teenage girl who presented with symptoms and signs of perimenstrual rhinitis.

Methods We describe the clinical presentation, management and outcome to date of a teenage girl with rhinitis associated with menstruation.

Results A fourteen year old girl was referred by her General Practitioner to the general paediatric outpatients with a presenting complaint of excessive clear rhinorrhea occurring with menstruation. The patient described the production of copious amounts of clear nasal discharge for approximately six days, starting three days prior to and finishing on day three of her period. The mucous production was so significant that it regularly resulted in mucous vomiting during this time. Her symptoms were ongoing since menarche at age eleven. She denied

any other respiratory symptoms and did not complain of rhinorrhea at any other time. She did not have a history of asthma, eczema or hayfever. Prior to her appointment she had trialled an oral antihistamine at night from which she noted some improvement. She was an otherwise well teenager with no significant birth, past medical or family history. She had baseline bloods done which included FBC, UEC, LFT, CRP, Total IgE and IgE specific to dust mite, dander, grass and trees. Her Total IgE was slightly raised at 244.7 but all other investigations were within normal limits. Following her appointment she was commenced on the oral contraceptive pill. She was reviewed in clinic six months later and she noted a significant improvement in her symptoms since commencing the OCP. She no longer has any significant mucous production during her period.

Conclusion Rhinitis secondary to pregnancy has been described well in the literature, however there are only a handful of cases which describe menstrual related rhinitis. This case outlines a clear history with resolution of symptoms following regulation of the menstrual cycle with the OCP.

GP64 POTTS PUFFY TUMORS, INFECTION, NOT TUMOR AND CAN KILL

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Introduction Potts Puffy tumor is defined as scalp swelling due to sub periosteal abscess with osteomyelitis of the frontal bone secondary to bacterial sinusitis. Sir Percival Pott first described the phenomenon in 1775 and since the advent of modern antibiotic therapy; this diagnosis is becoming a rare diagnosis.

Case Presentation A 8 years old child without previous history of surgery or trauma, including no recent history of dental procedure, and no significant past medical history presented to the emergency department with swelling of her forehead and scalp, with headache for one day and being unwell for two days. On physical examination she had a soft boggy swelling in the forehead with extension towards the parietal bone. She had pyrexia, BP 136/91 mmHg, heart rate of 121 beats per minute. Her blood investigations revealed CRP - 141, WBC - 16.3, Hb - 11.4, neutrophils 10.73. U&E, LFTs were normal and blood culture was negative. She had CT brain which showed extensive severe pan-sinusitis with associated abscess formation in the soft tissues underlying the frontal bone and intracranial abscess deep to right frontal bone. She was commenced on IV Co-amoxiclav and Flucloxacillin. She was transferred to the paediatric ENT team for drainage and wash out. The drainage and washout sample grew coagulase negative. She was commenced on ceftriaxone iv for 4 weeks, oral metronidazole 240 mg po for six week and Fluticasone nasal spray for two weeks. She had full recovery with no further complications.

Discussion Potts puffy tumour can occur as a sequel of acute or chronic sinusitis. CT and MRI are important for diagnosis and monitoring. Prompt involvement of ENT and Neurosurgical team is required. Samples should be collected from drainage of pus for culture sensitivity as well as for 16s Ribosomal PCR. Antibiotics regimens usually employed are IV Ceftriaxone and Metronidazole both because of a good CNS penetration and Metronidazole being effective for all gram-negative anaerobes as well.