

and more than 18 which completed a questionnaire consisting of some questions about intensity of acute renal colic measured with the visual analogue scale (range=0-10), associated symptoms and the drugs used to reduce pain. In summary this study shows that in most of the patients the pain significantly affects the normal daily activities. Drug therapy plays an important role in pain management. Renal colic pain management consists especially in using spasmolytic drugs and their association with analgesics or anti-inflammatory drugs.

Nitric Oxide as a Clinical Guide for Asthma Management in Children

Anca Vasiliu

Academic adviser: Ierima Alexandru, M.D.

“Dunarea de Jos” University, Faculty of Medicine and Pharmacy, Galati, Romania

Asthma is a chronic inflammation of both large and small airways. The treatment of asthma has undergone a number of evolutions over the last several decades, nowadays consisting in bronchodilators and corticosteroids to reduce the inflammation. Exhaled nitric oxide, an easily and rapidly obtained noninvasive study, is a potential surrogate for measuring airways inflammation. The study was conducted at the Clinical Pediatric Hospital “St. John” from Galati where using a FeNO (fractional exhaled nitric oxide) detector, a number of 53 children already diagnosed with asthma were analyzed. The method is noninvasive and cost-reductive compared to other methods used in these cases. A number of 53 were tested using fractional exhaled nitric oxide. From this number, 36 children presented elevated FeNO values (>20 ppb) while 17 of them presented normal values. After the corticosteroid treatment, all the children had lower values. Measuring fractional exhaled nitric oxide (FeNO), a marker of airway inflammation, is useful in the early confirmation or exclusion of asthma in children, especially in cases where the diagnosis is not clear at presentation. FeNO is elevated in untreated or under-treated asthma and decreases in a dose-dependent manner with the use of inhaled corticosteroids.

Surgical Findings in Tympanic Cavity of Children Suffering from Otitis Media

Raghid Jened

Academic adviser: Svetlana Diacova

State Medical and Pharmaceutical University “Nicolae Testemitanu”, Chisinau, Republic of Moldova

Surgical intervention should be considered when observation and medical therapy fail to demonstrate timely resolution of the effusion. Myringotomy with insertion of ventilation tubes was found by many authors to be most effective in preventing and treating of different forms of OM. The purpose of our research is to describe and compare the surgical findings in children suffering from different forms of OM who underwent Myringotomy with Tympanostomy tubes insertion. The research was carried out in ORL Clinic, Republican Hospital for children “Em. Cotaga”. The study involved 38 patients at the age from 1 mo to 18 years with different forms of otitis media – otitis media with effusion (OME) and recurrent acute otitis media (RAOM) in remission. The Work up included: anamnesis, pneumatic otoscopy, otomicroscopy, conventional audiometry, impedance audiometry otomicroscopy during surgery, examination of surgical findings and analysis of morphological changes in tympanic cavity, cytological and histological results. In additional rhinoscopy, oropharyngoscopy and posterior rhinoscopy were performed. Tympanic membrane (TM) appearance (color, transparency, dullness, opacity, thickness, visibility of main points, presence of