- 20% of parents/carers said staff were not good at working together or with others e.g. GP, school/nursery
- 37% said the information they were given was hard to understand

The team reflected on the Round 2 PREM and worked with the RCPCH Children and Young People's Engagement Team on an Engagement Plan for round 3.

Between April and June 2018, 130 children and family members took part in 'clinic chats' and gave their views on 'service contactability' and family mental health. 10 hospitals were visited and two family days held. Children as young as 3 contributed. Reports from clinic chats were reviewed by Epilepsy12 youth advocates who identified top priorities via thematic analysis as follows:

- Schools (support, good care plans, awareness, training, visits from nurses)
- Support for worries and anxieties (Why me? transition, mental health, messages of hope and coping strategies)
- Face to face support (value of group work/support groups, engagement sessions, parent/carer groups, young people groups, more time with health workers)
- Positive adult relationships (school, clinicians, specialist nurses, family, support workers)
- More services (mental health and wellbeing, weekends/evening non-emergency support, home visits, support groups)
- Practical help (lifestyle tips, family-based training, coping mechanisms, products to explain epilepsy to children)
- Emerging topics (employment, independence)

Sibling carers aged 3 – 11 also contributed views and created Epilepsy Superheroes who could be on hand with super powers if someone had a seizure.

Two of the youth advocates delivered a 75-minute session on the clinic chat themes at the Epilepsy12 National Conference in June 2018 to over 160 paediatric epilepsy specialists. This CYP-led session received overwhelmingly positive support from attendees.

Youth Advocates are now developing a quality improvement project relating to support for anxieties and worries and will report on it at the 2019 Epilepsy12 National Conference.

GP297

EVALUATION OF AN EARLY BIOCHEMISTRY MARKER OF RENAL INJURY IN OBESE CHILDREN

Olivera Jordanova*, Aspazija Sofijanovska, Aleksandra Janchevska, Silvana Naunova, Danilo Nonkulovski. *University Children Hospital, Skopje, Macedonia, the Former Yugoslav Republic of Macedonia*

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Background The obesity is the most prevalent nutrition-related disorder in children and becomes a major health issue worldwide. An increased risk of renal injury in children has been associated with overweight and obesity.

Objective To investigate the renal tubular function and early kidney injury in obese pediatric patients.

Methods The 57 (M:F=32:25) patients from University Children Hospital-Skopje have been investigated from December 2016 y till March 2019y. They have been divided in 2 groups: a group of thirty seven obese (body mass index (BMI) z-score ≥ 2) patients (M:F=20:17), and the control group of twenty non-obese children (M:F=12:8)

with BMI z-score ≤ 2 . The blood samples have been collected in the morning, after an overnight (at least 8 h), for measurements of complete blood count and biochemical parameters, including serum concentrations of creatinine, fasting glucose and lipid profile. The spot urine samples have been collected to assess NGAL levels as renal injury marker, and have been performed by Chemiflex (Abbott Architect I 1000 sr).

Results The serum concentrations of all examined parameters have been increased in the obese group, while only the HDL cholesterol levels have been decreased, compared to those in non-obese controls. The levels of analysed urine NGAL concentrations have been elevated in the obese group of children.

Conclusions Herein, in our study, we present the increased concentrations of NGAL in urine in the obese children compared to non-obese group of patients. We may confirm that urinary NGAL is useful and an early reliable marker for detection of renal damage in the obese pediatric patients.

P1

AN ANALYSIS OF PAEDIATRIC BURN AND SCALD PRESENTATIONS, CLINICIAN DOCUMENTATION OF THE RELEVANT CRITERIA NEEDED TO CONSIDER NON-ACCIDENTAL INJURY AND SOCIAL WORK OUTCOMES IN A PAEDIATRIC ACCIDENT AND EMERGENCY DEPARTMENT

¹Karen Kelleher*, ¹Pauline Deacy, ²Susan Swan, ¹Turlough Bolger. ¹Paediatric Accident and Emergency Department, Tallaght University Hospital, Dublin, Ireland; ²Paediatric Social Work Department, Tallaght University Hospital, Dublin, Ireland

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Aims Analysis of paediatric burns & scald presentations and Social Work outcomes in a paediatric Accident and Emergency Department (A&E) over the course of six months.

Methods An audit was completed over a six month period in partnership with the Social Work (SW) Department. This audit included a review of all presentations to the A&E with a discharge diagnosis including a burn or scald by children aged under 16 years. The SW Department initially reviewed all referrals and identified 8 key criteria which should be considered during medical review of burn/scald presentations. The audit analyses the application by Medical Staff of these key criteria during burn/scald medical reviews. It also reviewed the frequency of accurate and comprehensive documentation of the same. Consideration of these 8 criteria is paramount when identifying child protection concerns associated with burn & scald presentations.

Results 70 cases were identified during the audit period. 66% (n=46) of patients were under the age of 5 years old, with a mean age of 4.6 years overall. Audit results indicated that 0% of cases had clearly documented consideration of the 8 key areas during medical review. In the entire group, 93/560 (17%) of these individual questions were clearly documented in the medical notes. In 354/560 (63%) of these individual questions, it could be inferred from the notes that the healthcare provider had considered this question.

During the time of the audit, it was departmental policy to routinely refer all children under the age of 5 years presenting with burns for social work review. There were 52 (74%) social work referrals made. Of these, there were 7/

52 (14%) cases where doctors or nurses expressed concern from a child protection or welfare perspective. Only one case (1.5%) was referred on to Tusla, the child protection service.

Conclusions The audit revealed that the assessment of child protection concerns in children presenting with burns is inadequate and this could result in less referrals to social work departments of vulnerable children. The frequency of child protection concerns in these children was surprisingly low in this audit.

P2 CHAPERONS FOR CHILD PROTECTION MEDICAL EXAMINATIONS: A MISSING LINK?

^{1,2}Shashwat Saran*, ¹Mahadeva Ganesh, ¹Ezdihar Yousif. ¹Shropshire Community Health NHS Trust, Shrewsbury, UK; ²Shrewsbury and Telford NHS Trust, Shrewsbury, UK

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Background Child protection medical examinations should be undertaken in the presence of a chaperone. This as a good practice recommendation is clearly stated in the Child Protection companion.

Aim We undertook an audit of Child Protection medical examination reports to see if our practice meets the standards set by RCPCH in Child Protection companion.

Method Child protection companion's model report was chosen as the standard to compare our practices. Hospital-based electronic patient records system (clinical portal) was used to review the reports by a single auditor. Twenty-eight reports were randomly selected. These children undertook Child Protection medical examination at a District General Hospital over a period of 14 months from January 2017 to February 2018.

Demographics Three-fourth were boys & one-fourth were girls. Fifteen percent were under 1 year old, sixty percent were between 1 & 5 years old and twenty-five percent were over 5 years old.

Timeliness Three-fourth of the reports were typed within 72 hours of CP medical examination.

Quality All (100%) the reports stated the source of information and recommendations made after assessment. Over three-fourth reports stated informed consent was taken; included a brief introduction of the author and information about the growth centiles.

Two-third reports established that child's concerns were recorded. Reference to the evidence-based literature was made in fifteen percent of the reports.

Only seven percent of the reports stated use of Chaperones and amendments in the report after peer review meeting. Three percent of the reports stated both the time and date of referral.

Recommendations Our audit highlighted that Chaperons is an underused entity in child protection medical examinations. Chaperons are not only supposed to provide assurance to the child and family but also offers clinicians with an extra layer of protection in case of a complaint.

Thus we strongly advocate using Chaperon's in all cases of Child Protection Medicals unless declined by the child/family. In that case, this should be clearly documented. There is also a pressing need to improve the quality of overall documentation.

P3 AN AUDIT ANALYSING PRESENTATION OF PAEDIATRIC BURNS TO AN URBAN PAEDIATRIC ACCIDENT, PATIENT DEMOGRAPHICS, CLINICAL AND SOCIAL OUTCOMES

¹Karen Kelleher*, ¹Pauline Deacy, ²Susan Swan, ¹Turlough Bolger. ¹Paediatric Accident and Emergency Department, Tallaght University Hospital, Dublin, Ireland; ²Paediatric Social Work Department, Tallaght University Hospital, Dublin, Ireland

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Aims Analysis of paediatric burns, presentation, management and outcomes in an urban Accident and Emergency over the course of six months.

Methods The audit was undertaken in partnership with the paediatric social work department. Data on all presentations in a six month period (1/10/2017–31/03/2018) with a discharge diagnosis of burn or scald were included in the study. Data was collected on time and date of presentation, outcome of presentation from both a medical and social work point of view, medical and social work follow up arrangements including tertiary plastic team referral.

Results 70 cases were recorded. 66% (n=46) of patients were under the age of 5 years old, with a mean age of 4.6 years overall. 49% of cases presented between the hours of 6pm and 12am.

In total 31 patients were referred to a tertiary centre for plastic surgery input: 24/31 (77%) were referred non-urgently for next morning review and 7/31 (23%) were transferred to the tertiary centre for same day review. 36/70 (51%) received treatment from a nurse lead dressing clinic. Of these 3 (4%) were subsequently referred onward for plastic surgery input.

During the time of the audit, all children under the age of 5 years (n=46) were referred for social work review as a matter of routine. There were 52/70 (74%) referrals to the social work department in the hospital, but only one case was referred on to Child protection services and the police. Of these referrals, 7/52 (14%) had concern from a social protection point of view identified in the attendance documentation. In the equivalent six months of the previous year there was only a single case of a child presenting with a burn who was referred for initial social work review.

Conclusion This audit demonstrated that the imposing a blanket referral policy to social work for children with burns will increase the awareness of risk factors for child protection and result in improved multiagency assessment.

P4 MECHANISM OF INJURY AND LENGTH OF STAY IN PAEDIATRIC RESUSCITATION BURNS >20% TBSA: A TEN YEAR RETROSPECTIVE COHORT STUDY

^{1,2}Gerard McGuinness*, ^{1,2}Maire Caitlin Casey, ²David O'Donovan. ¹Royal College of Surgeons, St. Stephen's Green, Dublin, Ireland; ²Department of Plastic Surgery, Our Lady's Children's Hospital, Crumlin, Dublin, Ireland

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Thermal injuries represent a significant and common mechanism of accidental injury within the paediatric population. Thermal injuries over 10% TBSA are often associated with poorer cosmetic, and psychological outcomes. Prolonged hospital stay, admission to an intensive care unit, as well as complex multidisciplinary approached to patient care are often required. With a greater TBSA, usually comes a greater burden of care. Here we present data from the National