63% of the UK&I centres a pain tool is used but there was wide variation of what tools were used across centres. In contrast, 100% of the NL centres use a pain tool, in 75% the COMFORT Behavioural Scale and Visual Analogue scale or Numeric Rating Scale was used. Assessment tools for the cognitively impaired children were used in 57% of the UK&I centres, however not in NL centres.

Sedation tools were used in 66% and 62%, respectively (UK&I and NL) centres. The most common tool is the COMFORT scale.

Regarding drug withdrawal, 71% of UK&I centres did not have specific guidelines. However, 50% of the NL centres have specific guidelines and 75% of centres used a withdrawal tool.

Conclusions Although there are similarities between UK&I and NL in pain, sedation and withdrawal assessment and management, there is more focus on sedation and withdrawal in the NL compared to that of a stronger pain focus in the UK&I.

**92 VACCINATION OF TURKISH INFANTS, CHILDREN & ADOLESCENTS: PRACTICE BASED APPROACH**

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Infection diseases are cause of serious morbidity and mortality in children and adults. Immunization is the most cost-effective interventions for child survival and well being recommended by World health Organization (WHO). The “Expanded Programme on Immunization” (EPI) was established by WHO in 1974. Global Immunization Vision Strategy (GIVS) was developed by UNICEF and WHO in 2005 which aims to decrease morbidity and mortality from preventable diseases by immunization programmes.

Immunization rates increased over 90% in Turkey by national vaccination Schedule in recent years. Vaccines in National vaccination Schedule are practiced free in the Family Health Centers by Ministry of Health for all children in Turkey.

Immunization for children varies and regulated depending on child’s physical and functional condition. The true way and middle age of the vaccine injection is very important. In the literature it is recommended that update the knowledge of the nurses about vaccine administration is effect to decrease side effects of vaccines.

The Ministry of Health’s one of the objective of “Healthy Society 2010” is increase immunization rates over 90% for adolescents. Adolescent Health Centers evaluate immunization histories of all adolescents and recommend vaccines for missed vaccinated adolescents. Human Papilloma Virus (HPV) vaccine is recommended for adolescents to protect them from cervical cancers. Because of HPV vaccine doesn’t placed in the National Childhood Vaccination Schedule. Hepatitis B, combined diphtheria, tetanus, ascellular pertussis, measles, mumps and rubella, varicella, meningococcal vaccine, and HPV vaccine application is recommended for 11–18 years of age in the routine vaccination Schedule all adolescents.

**93 HOW CAN WE PREVENT VENTILATOR-ASSOCIATED PNEUMONIA IN PICU?**

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Ventilator-associated pneumonia (VAP) is a nosocomial infection that develops in patients on mechanical ventilation for 48 h or more. VAP has been classified into either early-onset pneumonia (EOP), if pneumonia develops within 4 days of the patient’s admission to an ICU or intubation for mechanical ventilation, and late-onset pneumonia (LOP), if pneumonia develops after 4 days of the patient’s admission to an ICU or intubation for mechanical ventilation.

VAP is the second most common hospital-acquired infection among pediatric and neonatal intensive care unit (PICU) (NICU) patients. VAP is associated with increased morbidity and mortality rates, prolongs hospital length of stay (LOS) and increases medical costs. VAP is the most frequent and costly infectious complication in ICU patients, which has been estimated to cost at least $40,000 per patient as estimated in 5 matched cohort studies.

Studies provide preliminary information on risk factors that may be associated with the development of pediatric VAP. These include length of mechanical ventilation, use of opiates, sustained neuromuscular blockade, presence of enteral nutrition, prior antibiotic therapy, endotracheal suctioning, reintubation, gastroesophageal reflux, subglottal/tracheal stenosis, age greater than 10 years, and trauma.

Strategies for preventing or controlling ventilator-associated pneumonia;

- Hand decontamination and use of gloves
- Head-of-bed elevation
- Oral/nasal hygiene
- Daily sedation vacation and daily assessment of readiness to extubate
- In-Line Suctioning
- The Bundle Approach
- Peptic ulcer prophylaxis
- Subglottic secretion drainage
- Orotracheal v. nasotracheal intubation
- Enteral feeding and control of regurgitation
Pediatricians and other clinicians who care for children around the globe are aware of the need to address the social determinates of childhood illness and advocate for children and their families living in their communities. Pediatricians have a unique perspective on the health and wellbeing of children and families living in their communities since they are the only professionals who routinely care for and follow preschool children. Pediatricians throughout the world are usually highly regarded by families and respected within their communities. Because of this respect, they have special opportunities to influence child and family policy.

Advocacy is defined by the 4 P’s: personal experience, persistence/patience, passion, and principles. Personal experience usually determines the population or issue for which you decide to advocate. An effective advocate must be persistent and patient because it is difficult to change both policy and health care systems. Passion is also necessary for effective advocacy. An effective advocate feels personally connected to his or her issue. The final P in advocacy is to be principled. This means having a strong sense of integrity, credibility, fairness, and responsibility. Having integrity means a commitment to gain as complete an understanding of the issue as possible. Having credibility means that you will serve the best interests of children. Being fair means your policy recommendations will be based on a uniform standard of care for all children. Finally being responsible means recognizing how the consequences of the policy or advocacy efforts might have unintended effects.

The knowledge about a positive correlation between life expectancy and gross domestic product (GDP) is a commonplace. Also a positive correlation between mortality of children less than 5 yrs (U5MR) and health expenditure is well established. The drastic difference in child mortality between economically developed and economically underdeveloped countries is a point in case. Likewise, after the first gulf war child mortality increased by more than 100% in Iraq on economic sanctions.

In economically developed countries, which finance their health systems of different countries.

Results

In coming years, child advocacy should fight for

a. adequate economic support of paediatric health care,

b. for the direct benefit of all sick children from health expenditure and

c. for provision of international comparable data on paediatric patients.

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WHAT IS THE ASSOCIATION BETWEEN SCREEN TIME AND OUTCOMES FOR CANADIAN CHILDREN?

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Background and aims To determine the association between screen time and child outcomes.

Methods 706 mothers who were part of a longitudinal pregnancy cohort were mailed a questionnaire when children were 6 to 8 years of age. Mothers reported the amount of time children spent with computers, television, and video games on an average school day (screen time), BMI, child behavior, and physical activity. Using Pearson chi-square tests or independent sample t-tests, children who had more than 2 hours screen time on an average school day were compared to those who had 2 hours or less.

Results 450 mothers completed the questionnaire (response rate 64%). 30% of children had more than 2 hours of screen time during school days, and these children were more likely to take longer than 30 minutes to fall asleep (25% vs. 15%, p=0.006) and less likely to exhibit prosocial behavior (mean 12.88 vs. 13.71, p=0.028). There was no association between screen time and BMI or time spent in physical activity. Compared to mothers of children had 2 hours or less of screen time, mothers of children who had more than 2 hours of screen time were less likely to be satisfied with their child’s level of physical activity (76% vs. 89%, p<0.001).

Conclusions The Canadian Paediatric Society guideline recommends no more than 2 hours of screen time per day. More than a third of children exceed this limit on school days, and this may have important implications for children’s sleep and behavior in childhood.

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Background and aim Lead, mercury and cadmium are widely exposed environmental pollutants throughout the world. In this study, we aimed to investigate the level of exposure to lead(Pb), mercury(Hg) and cadmium(Cd) during intrauterine life.

Methods We included 123 mother-infant pairs between December 2006 and January 2007. Umbilical cord blood collected immediately after delivery while breast milk and newborn hair samples collected between 3–10th postpartum days. All the specimens analyzed by Inductively Coupled Plasma Mass Spectrometry.

Results Cord blood samples Pb was present in 99.2%(the mean 1.66±1.64µg/dl) while Hg in only 1.7% and Cd in 19.8%(ranged 0–6.71µg/L). Cord blood Pb was higher than 22µg/dl in 29% of the samples. Pb, Hg and Cd were detectable in all the newborn hair samples. Among breast milk samples 83.2% had detectable lead levels(mean 14.5±12.1µg/L). Presence of Hg and Cd in breast milk samples were 53.3% and 9%, respectively. Cord blood lead levels were significantly higher when maternal age ≥35 years. Breast milk Cd levels were significantly higher in women who were residing close to the major city waste site. Cord blood Cd levels were significantly higher in women consuming more than two fish weekly. Maternal exposure to environmental tobacco smoking(ETS) resulted increased newborn hair Pb and Cd levels.

Conclusion Intrauterine heavy metal exposure is an important concern for pediatricians. Most samples had detectable levels for Pb, Hg, Cd indicating long term maternal exposure and considerable