SOCIETY FOR SOCIAL PEDIATRICS
TURKEY – 2005

2nd INTERNATIONAL EURASIAN CONGRESS OF SOCIAL PEDIATRICS

&

6th NATIONAL CONGRESS OF SOCIAL PEDIATRICS

NOVEMBER 26-29, 2020



ABSTRACT BOOK

Dear Colleagues

We are privileged to announce the 2nd International Congress of Eurasian Social Pediatrics & 6th National Congress of Social Pediatrics which will be held virtually on 26-29 November 2020.

The congress mainly revolves around child health during the COVID-19 pandemic. Social Pediatrics in the community- NGO experience from Canada, child health and nutrition, immunizations, vaccine hesitancy, early childhood sleep problems confronting children are other leading topics.

International Society for Social Pediatrics and Child Health (ISSOP) Declaration "Advancing Health Equity and Social Justice in Response to COVID-19" which is also endorsed by the Turkish Society for Social Pediatrics will be presented by the ISSOP president.

This congress reflects our goal to provide and discuss the latest scientific knowledge and current evidence-based practices for improving women's and children's health: promoting breastfeeding, improving maternal and young child nutrition, responsive caregiving and providing nurturing care with stimulation in the first years of life, prevention and management of childhood illness and developmental problems, immunization, and promoting maternal mental health.

The congress also presents distinguished international speakers from different countries.

We are happy to invite and welcome professionals from multiple disciplines who work with children, and families. We hope you will enjoy the meeting in which experiences will be exchanged at the international level.

From the bright side, the congress will not require travelling or accommodation.

Best regards,

Prof. Adem Aydın MD
Congress President

Prof. Gülbin Gökçay MD, MSc (UK)
President of Society for Social Pediatrics, Turkey

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OP-05

Neonatal abstinence syndrome: Implementations from a level-III neonatal intensive care unit

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Background: Neonatal abstinence syndrome (NAS) is a postnatal withdrawal syndrome that manifests shortly after birth in infants of pregnant women with opioid use. Due to the limited regional data on the incidence of NAS, we aimed to investigate the frequency, clinico-demographic profiles, co-existing conditions, medications of all NAS infants who were admitted to one of the largest level-III neonatal intensive care unit (NICU) in Antalya.

Method: This retrospective, single-center study was conducted in all NICU admissions manifesting drug withdrawal symptoms between the period January2019-July2020. Maternal and prenatal data, perinatal characteristics, clinical features and symptoms, medications used for withdrawal, modified Finnegan scores and the social service support (including child custody service) were collected from the hospital database. Data were analyzed using SPSS-21 statistical program. Data were expressed as percentage (%), median (minimum-maximum) values.

Results: Fifteen infants showed withdrawal symptoms out of 3578 live births (3.9%). The median gestational age was 38 weeks (31-39 weeks) and birthweight 2590 grams (1300-3700 grams). The rate of preterm delivery and small for gestational age was 46.7% and 33.3%. Maternal characteristics showed syphilis (1/15), HCV (1/15), HBV (2/15) infections. Respiratory support included invasive mechanical ventilation in a 31-gestational week infant and noninvasive ventilation in three infants. The symptoms of central nervous system (crying, agitation, tremors, failure to sleep) occurred in all infants; one infants required multidrug therapy for seizure control. Feeding intolerance was the second most common symptom (8/15). Initial symptoms were manifested following 24-hours; the highest Finnegan score was 20 (median: 14). The first dose of morphine-sulfate (0.04 – 0.12 mg at eight-hour intervals, doses based on Finnegan score) was applied to Finnegan scores ≥9 at median 1 days (1-3 days); the symptoms resolved at 6 (3–9 days).

The median length of NICU stay was 12 days (6-24 days). One infant died of prematurity and early-onset sepsis. The rest of the infants were channeled into the legal and social services for the future child custody issues. The custody of three children was given to the own parents who voluntarily received drug and alcohol detox programs (under the guidance of social services); two infants were given to the protection and neonatal care of elderly relatives. Nine infants were taken into the legal custody of social services. All infants have been regularly monitored neurodevelopmental challenges.

Conclusion: As the number of infants with opioid withdrawal rises, new promising strategies should be provided for early recognition of neonatal abstinence syndrome, timely and proper treatment and social support of the family. These infants should be handled by a multidisciplinary approach integrating the physical, mental, and social dimensions of child health. The goal is to "keep families safe and together"

Keywords: Neonatal abstinence syndrome, NICU, child health

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CERTIFICATE OF ATTENDANCE

This is to certify that

HAKAN ONGUN

has attended **2nd International Eurasian Congress of Social Pediatrics**, **6th National Congress of Social Pediatrics** between November 26-29, 2020

Adem Aydın
Congress President

Gülbin Gökçay
President of the Society for Social Pediatrics, Turkey