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PAROXYSMAL SUPRAVENTRICULAR TACHYCARDIA (PSVT) IN CHILDREN— THERAPEUTIC APPROACH IN URGENT PEDIATRICS

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Objectives: The objective of the study is the determination of trigger factors against the background of congenital heart defect; clinical manifestations of PSVT depending on age and effectiveness of treatment depending on age.

Relevance of the topic: PSVT is one of major urgencies in children

Materials & Methods: The study included a group of 22 children and was based on survey and monitoring in dynamics in Emergency Receiving Pediatrics Unit Department, Clinical Hospital Balti in 2014.

Results:

1. Age separation: 1st lot 0-4 years old (8 children – 36.36%),
2. 2nd lot 5-18 years old (14 children – 63.63%)
3. Etiology separation: 1st lot PSVT with acute respiratory infection, pneumonia, congenital heart defect (atrial septal defect (ASD), ventricular septal defect (VSD)) – 36.36% 2nd lot PSVT in intact heart (stress, fear) – 63.63%
4. Clinical manifestation separation: 1st lot – cyanosis, extreme pallor, dyspnea – 36.36% 2nd lot – palpitation, heart pain, pallor, asthenia – 63.63%
5. Treatment separation: 1st lot – attack treatment with Adenosine – 36.36% 2nd lot – attack treatment with Amiodarone – 39.28%, Verapamil – 24.35%

Conclusions: The obtained results conclude that the high frequency of PSVT in children with concomitant diseases against the background of congenital heart defects (ASD, VSD); High effectiveness of attack treatment in 1st lot with adenosine, 2nd lot with amiodarone and verapamil; and in emergency receiving pediatrics unit department it is possible to treat PSVT attack in children.

Biography

Maria Neamtu, is the Head of Paediatrics Department of the Municipal Hospital, Balti, Republic of Moldova. She is a specialist in Paediatric Cardiology with more than 34 years of experience in the field. Her experience and passion for medical activity is implemented through different activities as: depth knowledge in providing emergency medical care to patients with cardiac pathologies, administration of the children's hospital with a capacity of 135 beds, teaching at the medical college, which is the key moment to provide qualitative emergency assistance to children. Her professional knowledge and skills are also reconfirmed by attending and publishing scientific papers at the cardiology congresses in London, Tel-Aviv, Brussels, Bucharest and Barcelona.

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