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"THE FREQUENCY OF OCCURRENCE OF DELAYED PUBERTY AND GROWTH IN ADOLESCENTS IN SURKHANDARYA REGION ACCORDING TO THE RESULTS OF SCREENING"

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ABSTRACT

Purpose of the study: *To study the incidence of delayed puberty and growth in adolescents in the Surkhandarya region based on the results of screening.*

Material and methods of research: *We examined 500 adolescents aged 10 to 15 years within the framework of the project in the Surkhandarya region.300 boys and 200 girls were examined on the basis of the regional endocrinological dispensary in Termez.*

All patients underwent a general clinical study, which included at the 1st stage:

1) Anthropometric studies with measurement of height (cm), weight (kg)

2) Genitometric studies (the volume of the testicles was determined using a Prader orchidometer), sexual development was assessed in accordance with the tables of the stages of puberty Tanner J. (1980) modified by D.M. Skorodok, and N. Savchenko (1984).

3) Filling out a questionnaire

Research Results. *In total, among 200 adolescent girls, it was revealed: diffuse goiter (DG) 1 stage - 50 b-x (25%), obesity - 10 (5%), growth retardation - 10 b-x (5%), and delayed puberty -*

in 9 (4.5%).Among 300 adolescent boys, the following were identified: diffuse goiter (DG) 1 stage - 56 b-x (19%), obesity - 25 (8.35%), growth retardation - 20 b-x (6.6%), delayed puberty - 7 (2.3%), cryptorchidism -12.(four%).

Conclusions.*1) Out of 500 adolescent boys and girls, delayed puberty was detected in 16 patients (3.2%), and growth retardation - in 30 (6%).), obesity – in 35 (7%). It was found that 1/5 of the examined adolescents suffered from thyroid diseases.*

2) In all age groups, there was a significant decrease in the average growth values (p< 0.05). At the same time, in girls, a significant growth retardation was found in persons with stages 3 and 5 of sexual development according to Tanner. Boys are in stage 4.

KEYWORDS: *Puberty, Growth, Delay, Screening.*

BIBLIOGRAPHY

1. Ismailov S.I. Endocrinological aspects of the diagnosis of male infertility: scientific publication / S.I. Ismailov, K.K. Uzbekov, Sh.P. Isamukhamedova, G.A. Froyanchenko, Sh.T. Sultanova // Zhurn. theoretical and clinical medicine. - T., 2006. - No. 4. - C. 95-99.
2. Fridman L. M. Psychology of children and adolescents: // Handbook for teachers and educators. - M.: Publishing House of the Institute of Psychotherapy, 2003.
3. Andreeva E.N., Butrova S.A., Kuchma V.R., Chebotnikova T.V. Epidemiological study of the characteristics of the passage of stages of puberty in children and adolescents living in Moscow //www.t-pacient.ru/archive/n2-2006p/n2-2006p_77.html
4. Shilin D.E. Syndrome of isolated pubarche in girls. // Guide for endocrinologists. M. - 1999. - S. 1-19. ten . Ducharme JR Normal puberty: clinical manifestation and their endocrine
5. Doskin V.A., Keller H., Muraenko N.M., Tonkova–Yampolskaya R.V. Morpho-functional constants of the child's body. M.: Medicine. - 1997. - 287 p.
6. T.A. Romanova. Features of the pubertal period at the present stage//
7. Dedov I.I., Semicheva T.V., Peterkova V.A. Sexual development of children: norm and pathology. M. - 2002. - S. 50-66.
8. Tarusin D.I., Rumyantsev A.G., Gavrilova L.V. and others. Protection of the reproductive health of boys and adolescents. // Information mail. M. -1999. – 49 p.
9. The situation of youth in the Russian Federation:1995.: State Report of the Civil Code of the Russian Federation on Youth Affairs to the Government of the Russian Federation. - M. - 1996. - 159 p.
10. Baranov A.A. Children's health in Russia: scientific and organizational priorities. //Pediatrics. - No. 3. - 1999. - P. 4-6.
11. Gajdos, ZKZ, Hirschhorn, JN and MR Palmert. What controls the timing of puberty? An update on progress from genetic investigation. // Current Opinion in Endocrinology, Diabetes & Obesity. 2009. 16:16-24.
12. Hindmarsh, PC How do Initiate Oestrogen Therapy in a Girl who has not Undergone Puberty? // Current Endocrinology. 2009.71:7-10.

13. Normal Pubertal Development. Lee, PA and Kulin, HE // Pediatric Endocrinology: The Requisites. 2005.pg 63-71.

14. Rosen, D.S. and C. Foster. Delayed Puberty. // Pediatrics in Review. 2001. Vol 22(9): pg 309-315.

15. Kulin, H.E. and J. Muller. The Biological Aspects of Puberty. // Pediatrics in Review. 1996 Vol 17(3)

16. Mirsa, M. and M. M. Lee. Delayed Puberty. // Pediatric Endocrinology. The Requisites. 2005.pg. 87-101

17. Sperling, M. Pediatric Endocrinology. 2008. // Puberty and Its Disorders in the Female. Pg 530-609.

18. Маджидова, Ё. Н., Халимова, Х. М., Раимова, М. М., Матмурадов, Р. Ж., Фахаргалиева, С. Р., & Жмырко, Е. В. (2011). Молекулярно-генетические и некоторые биохимические аспекты болезни Паркинсона. Международный неврологический журнал, (1), 91-94.

19. Раимова, М. М., Бобоев, К. К., Абдуллаева, М. Б., Ёдгарова, У. Г., & Маматова, Ш. А. (2021). СРАВНИТЕЛЬНАЯ ХАРАКТЕРИСТИКА НЕМОТОРНЫХ ПРОЯВЛЕНИЙ БОЛЕЗНИ ПАРКИНСОНА И СОСУДИСТОГО ПАРКИНСОНИЗМА. ЖУРНАЛ НЕВРОЛОГИИ И НЕЙРОХИРУРГИЧЕСКИХ ИССЛЕДОВАНИЙ, (SPECIAL 1).

20. Yodgarova, U., Raimova, M., & Boboyev, K. (2019). Etiopathogenetic factors and clinical picture of restless legs syndrome in persons of Uzbek nationality. Journal of the Neurological Sciences, 405, 236.