

YOUNG SCIENTIST DAY

TOPICAL ISSUES

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had a multitude of postoperative complications and a resultant delayed persistent hydrocephalus in the follow-up period, which needed a VP shunt. Two patients (one CA and one BSG) received prophylactic postoperative shunting prior to radiotherapy to hinder a probable future hydrocephalus. We also determined the percentage of CSF leak, septic meningitis, persistent hydrocephalus and pseudomeningocele in the postoperative period in different shunting groups. Persistent hydrocephalus or pseudomeningocele in the preoperative shunting group was significantly lower than the other two categories.

Conclusion: Insertion of VP shunt before operation considerably decrease amount of post operative complications and the time of rehabilitation of patient.

EPILEPSY DURING PREGNANCY

Kholmuratova B.N., Rashidova N.S.

Tashkent medical academy

Background: On average, female patients with epilepsy have 0.9 children, which is below the birth rate of healthy women. One reason is insufficient counselling.

Objectives: To summarize the current data relevant to counselling pregnant women with epilepsy.

Materials and methods: Discussion of research and recommendations concerning seizure control during pregnancy, pregnancy and birth complications, congenital malformations, and breastfeeding.

Results: Changes in seizure frequency during pregnancy are variable and partly due to changes in the serum concentrations of antiepileptic drugs. Epilepsy patients have a slightly higher risk for some pregnancy and birth complications including spontaneous abortion, pre- and postpartum bleeding, induction of labour, and caesarean section. In particular, the administration of valproic acid can lead to congenital malformations and a lower IQ of the child. Folic acid seems to have a protective effect. Data concerning breastfeeding are insufficient.

Conclusions: If possible, epilepsy patients should be treated with a low-dose monotherapy during pregnancy and valproic acid should be avoided. Treatment with lamotrigine requires frequent control of serum concentration. Supplementary folic acid (5 mg daily dose) is recommended.

TRENDS AND PROGNOSIS OF THE INCIDENCE OF CEREBRAL STROKES IN THE WESTERN REGIONS OF UZBEKISTAN

Lukmonov S.N.¹, Tolibov D.S.¹, Usmonov O.O.¹

Tashkent medical academy

Objective: The study of the dynamics and prognosis of the incidence of cerebral strokes in the western regions of Uzbekistan.

Materials and Methods: In Uzbekistan, every year 60,000 new cases of stroke is registered. There was conducted Statistics of 4100 patients with cerebral stroke of age from 55 to 75 years (mean age was 65 ± 1.7) in the city of Nukus over the last 4 years (2012- 2015). Of them 2052 were men and women - 2048. There were performed studies by the least quadrants using the correlation and regression analysis. Identification of the basic features of cerebral stroke (CS) was based on a study of

the statistics of the National NTSEMP Nukus, hospitals and clinics in Nukus.

Results and Discussion: The incidence of CS for 4 years varies widely from 0.98 to 1.9 per 1000 population. In general, the level of incidence of CS in 2012 increased by almost 2-fold ($P < 0,001$).

If in 2005 the figure was 0.98 per 1000 population, then in 2015 - 1.9. However, there is no stable growth of this indicator. The changes of the incidence of CS have a wavy character. When comparing the levels aligned in the dynamics there is revealed a clear pattern of increasing incidence from 2005 to 2015, amounting to 0.78 for men - 1.7, and for women 1.09 - 2.07, just 0.98 and 1.9, respectively. Thus, in our study in 2020 predicted a slight increase in cases of stroke in general among the population, as men and women separately, and will be, respectively, 2.09; 1.95 and 3.15 per 1000 population.

Conclusion: Thus, the data of regression analysis show the expected steady increase in the incidence of brain stroke among both men and women, which is of great socio - economic importance. In addition, when the occurrence of cerebral stroke in the western regions of Uzbekistan holds the Aral Sea problem and arterial hypertension arise. The data indicates the need in depth study and evaluation of factors and reasons affecting the development of cerebral strokes and their complications.

RANDOMIZE STUDY OF THE COGNITIVE IMPAIRMENT IN PATIENTS WITH RHEUMATOID ARTHRITIS: RELATIONSHIP OF THE COGNITIVE DEFICIENCY WITH THE DURATION OF DISEASE AND WITH AGE OF THE PATIENTS

Mavlanov M.M., Aslanova S.N.

Tashkent medical academy

Objective. We aimed to study cognitive impairments, its relationship with duration of disease and age of patients with rheumatoid arthritis.

Material and methods. The Clinical research was carried out in the department of rheumatology of the first clinic of Tashkent Medical Academy. We studied 50 patients with RA aged 18-65 years (mean age $48 \pm 1,6$ years), of them 36 women and 14 men, 71.1% and 28.9% respectively. Cognitive functions were tested using the Mini-Mental State Examination (MMSE).

Results. Patients aged 30-50 years were the most common of all patients we studied. The duration of the disease lasts from 1.5 months to 25 years. The average duration of the disease is 10.5 years. We studied cognitive function of patients by MMSE scale. The mean MMSE scale was 25,9. Mild cognitive disorders were the highest in 21 patients (42%), whereas in 12 patients (24%) we found the mild dementia, by the way in 17 patients (34%) cognitive deficiency wasn't found. Depending on the duration of RA (<2 years - > 20 years), MMSE scale decreased from 28.3 to 25 ($P < 0,001$). Depending on the age of the RA (<30 - > 65) MMSE scale decreased from 28.4 to 26 ($P < 0,001$).

Conclusions. We concluded that cognitive deficiency is common in patients with RA. The severity of cognitive impairment is higher than the RA is longer and the age of the patients greater.

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