

No. 2513.3161.3568

AKULICH Artyom Andreevich 15\06\2010
Minsk, Russiyanova Str. 50-603b
Tel. 8-0297524687

B negative

Admitted	12\07\10	26\08\10	03\08\10	05\10\10	08\11\10		
Discharged	24\08\10	31\08\10	29\09\10	27\10\10	01\12\10		
Weight	4.840	4.850	5.800	5.700	5.800		
Clearance							

Diagnosis: neuroblastoma (**NBL**) of the retroperitoneal space on his right side (N-MYC-negative), T3N0M0, III stage. 20\07\10 laparotomy, biopsy of tumor. 23\07\10 **NB2004** program. Icterus of the newborn. Thymomegalia of the 2nd degree. Born from the 3rd pregnancy, 2nd labor of term, planned Cesarean section. Weight on birth 4.000. The icterus was treated at the 3rd children’s hospital, the tumor was detected during ultrasonic scanning of the abdominal cavity.

Mother, born 1979 – healthy, economist.

Father, born 1979 – healthy, scientific worker.

Elder daughter Nastya, born 2004 – healthy.

Primary diagnostic complex:

- 12\07\10 Clinical picture: marked yellowness of skin. Peripheral lymph nodes are unchanged. A dense tumor of 5 cm in diameter is defined in the right hypochondrium.
- 12\07\10 Computer tomography (CT) of chest and of the abdominal cavity: no foci of pathological density have been revealed in the pulmonary parenchyma. The lung pattern is not changed. An increase in the size of the thymus gland up to 52 x 26 x 45 mm is defined, its structure is homogeneous, outer contours are smooth, convex. No pathologically increased lymph nodes are revealed in the mediastinum. The lobar and segmental bronchi are permeable. Roots of the lungs are structural, not expanded. Axillary lymph nodes are not enlarged. Pleural cavities are free. The soft tissues of the chest are structurally not changed. Osteodestructive changes have not been revealed. In the retroperitoneal space, in the projection of the right adrenal gland a sizable formation of irregularly oval shape is noted which protrudes beyond the median line to the left, with, here and there, indistinct, contours, of solid density (of about +50 HU), of inhomogeneous structure due to amorphous calcinations, with approximate maximum dimensions 41 x 66 x 65 mm. At the top the tumor compresses the visceral surface of the right lobe of the liver, not clearly differentiating from it. The right kidney is displaced laterally and downward. The tumor compresses the portal area, displacing forward and to the left the portal vein. On contrast amplification, the vessels were contrasted satisfactorily. The displacement of the aorta and of its branches to the left by the tumor is noted. The CT picture of the tumor in projection of the right adrenal gland seems to be of neurogenic nature. Thymomegalia of the 2nd degree. With no visible focal changes of the lungs.
- 12\07\10 Ultrasonic scanning of the abdominal cavity: in projection of the right adrenal gland there is a solid formation of size 52 x 50 x 49 mm with a high degree of vascurization. It compresses the right lobe of the liver and pancreas, the right kidney is displaced downward and rotated.
- 20\07\10 Laparotomy, biopsy of tumor.
- 26\07\10 Morphological report No. 2972: low-differentiated neuroblastoma, G3.
- 20\07\10 Cytological report No. 767: neuroblastoma.
- 14\07\10 There are no clinical and cytologic signs of the damage of the bone marrow. Myelogram No. 879-880.

In view of the tumor localization, its large dimensions and connection with the postcava and liver, in view of the small age of the child and the data of the surgical operation protocol it was decided to carry out a course of therapy according to the NB2004 program. When the tumor grows smaller, surgical treatment will be undertaken – the second laparotomy, removal of the tumor.

NB2004 treatment program

Block	N.4.1	N.4.2	N.5.3	N.5.4	Surgery	N.6.5	N.5/	
Date planned	23\07\10	13\08\10	03\09\10	08\10\10	08\11\10	23\11\10	14\12\10	
Date actual	23\07\10	13\08\10	03\08\10	08\10\10	12\11\10	31\11\10		
VCR	0.36	0.36	-	0.2				
CPH	336	336	-	-				
DOXO	7.2	7.2	-	-				
DDP	-	-	30.16	29.6				
VP-16	-	-	96	72				
NSEng/ml	74.27	74.27						
Weight	4.840	4.840	5.700	5.700				

07\10\10 Control of the quality of remission:

- 07\10\10 Computer-tomography angiography (CTA) of the abdominal cavity: the dimensions of the tumor do not exhibit any substantial dynamics as against 29\09\10; dislocation of vessels is noted: of the celiac trunk, superior mesenteric artery, postcava in a forward direction, of kidney veins forward. With allowance for the large dimensions of the tumor, its “complex” localization, it was decided to refrain from surgical operation at the present time and to carry out the 4th block (N.5.4) of NB2004 therapy.

08\10\10 A block (N.5.4) of NB2004 therapy was carried out. Early toxicity by WHO criteria of the 2nd-3rd degree. Accompanying medical treatment +G-CSF.

- 12\11\10 Surgical operation: laparotomy, biopsy of tumor.
- 22\11\10 Morphological report No. 4522-23: fine fragments of tumor tissue with signs of ripening up to a mixed ganglioneuroblastoma. Regression grade III.

23\11\10 N.6.5 block was carried out. Early toxicity by WHO criteria of the 2nd-3rd degree.

01\12\10 The state of the child is satisfactory, there are no complaints. The wound is surgical, without signs of inflammation, the stitches have been removed. The child is discharged home with due recommendations. The child needs constant nursing. Prophylactic inoculations are contraindicated till 01\01\11.

Recommended:

1. Medical supervision by a pediatrician of the polyclinic.
2. Total blood count each 4-5 days.
3. Bisepitol 60 μ x 2, diflucan 25 mg x 1.
4. On aggravation of symptoms, on decrease of hemoglobin below 70 g/l, thrombocytes below 5 x 10⁹/l, leukocytes below 2.0 x 10⁹/l immediately contact us by Tel. (017)2654098.

II clinical group

Kochubinskii D.
Emelianova I.V.
Romanova O.N.