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CASE OF ANAPHYLACTIC SHOCK FOLLOWING
INOCULATION WITH TABte VACCINE

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CASE OF ANAPHYLACTIC SHOCK FOLLOWING
INOCULATION WITH TABte VACCINE

A. G. Ishchuk, Major, Medical Services

On 26-4-1967 patient Ye. was brought to the hospital in a serious condition with the diagnosis - reaction to inoculation with chemical sorbed typhoid-paratyphoid-tetanus vaccine (TABte). Upon arrival the patient complained of a headache, nausea, general weakness, pain in the small of the back. During the period 22-25 April the patient has suffered acute respiratory illness. At 0900 on 26 April he was given 1 ml of vaccine subcutaneously in the left subscapular area (vaccine produced by the Leningrad NII of Vaccines and Sera, series 137, control 1082, expiration date 26-1-1968). Fifteen minutes after the inoculation shivering, pain in the small of the back, palpitation, general weakness, nausea, and vomiting set in. In 2 hours and 40 minutes after the inoculation he returned to the unit surgeon. Condition was serious, body temperature 40.3°, blueness of integuments, pulse 120 beats a minute, rhythmic, weak filling, arterial pressure 110/70 mm Hg. Heart tones muffled. The patient was given: intravenously 20 ml of a 40% solution of glucose, subcutaneously 2 ml of Cordiamine, intramuscularly 1 ml of a 1% solution of Dimedrol; oxygen was given. Arrived at the hospital 4 hours and 30 minutes after the inoculation. The patient was sluggish, restrained, body temperature 38.9°, facial integuments hyperemic with a cyanotic shade.

Pulse 120 beats a minute, heart tones dull, arterial pressure 70/40 mm Hg, EKG normal. Number of respirations 24 per minute. Tongue was moist and coated with a grayish film. Stomach somewhat swollen, without pain. Liver and spleen not palpated. Spasmodic twitching of the diaphragm noted. Stool liquid, single. Blood analysis from 27 April Hb 15%, e 5,000,000, l. - 27,500, j. - 11%, p. - 50%, s. - 28%, ml. - 2%, lymph. - 4%, mon. - 5%; ERS - 3 mm/hr, color index 0.9. Blood bilirubin 0.96 mg% (according to Bokal'chuk), amount of residual nitrogen 40.8 mg%. Amount of sugar in blood 106 mg%, aldolase activity 9 units. Urine analysis from 27 April: specific gravity 1009, alkaline reaction, protein 0.099%. Urine diastase = 8.

The patient was given 0.5 ml of a 0.1% solution of adrenaline at the site of the inoculation and 0.5 ml - intramuscularly, 1 ml of a 5% solution of ephedrine subcutaneously, 10 ml of a 10% solution of calcium chloride intravenously, 500 ml of a 5% solution of glucose and 400 ml of polyglucin drop by drop intravenously, subcutaneously 5 units of insulin, Dimedrol, hydrocortisone 125 ml intramuscularly; oxygen was given.

After the treatment was carried out, by 2100 the state of health was improved, headache was reduced. The face was hyperemic. Pulse was 72 beats a minute. Frequency of respiration 22, arterial pressure 90/65 mm Hg. On 27 April the state of health was satisfactory. Pulse 104 beats per minute, arterial pressure 85/65 mm Hg. Repeated administration of 1000 ml of 5% solution of glucose drop by drop intravenously, 5 units of insulin, Dimedrol. On 28 April arterial pressure 90/60 mm Hg, on 29 April - 115/70 mm Hg. Body temperature was down to normal. Blood picture was normalized only on the 8th day. Discharged on 6 May 1967 in good health.