

Magnetotherapy and local air cryotherapy in treatment for hemophiliac acute hemarthrosis.

- **Patients** : 133 episodes acute hemarthrosis at 29 patients with a hemophilia A/B. Median age 30.3(19-48)
- **3 groups(g.)** according to methods physiotherapy:
 - **g.1** (n=51): magnetotherapy №10 + local air cryotherapy №8+ ultrasound therapy
 - **g. 2** (n=37): magnetotherapy, № 5
 - **g. 3**(control group, CG,n=45) didn't receive any physiotherapy;
- **Results**

Methods of treatment and control indicators:

- 1.Replacement therapy by concentrates of FVIII/IX in a dose of 20 ED/kg/day
- 2.methods physiotherapy: magnetotherapy ("Orthospok") ,15 min; local air cryotherapy («Crio-air») on a joint by a labile technique, 20 min
3. Indicators: **ROM**- range of motion (%norm),
TJS -Total Joint Score, **VASc** -visually-analogue scale, dose of NAID (nimesulid) ,quantity of an **intraarticulate liquid(IL,mm)** by ultrasonic data, quality of life test **SF-36** : **1- before, 2-after** treatment



	ROM1	ROM2	TJS1	TJS2	VAS 1	VAS 2	IL 1, mm	IL 2, mm	Dose NAID 1	Dose NAID 2	SF-36 1	SF-36 2
g.1 n=51	45.8± 17.5	65.3± 17.7	8.9± 2.0	7.9± 1.8	6.7± 1.0	4.4± 1.0	14,3 ±2,3	6.7± 3.4	116.7± 48.7	28.7± 27.5	42.2± 11.1	58.2± 10.1
g. 2 n=37	51.6± 10.1	57.5± 10.1	9.5± 1.4	9.0± 1.4	6.4± 1.8	5.4± 1.8	17.3 ±1.3	15.3± 1.9	104.4± 51.3	45.5± 40.9	53.8± 11.2	58.2±1 0.1
g. 3, CG n=45	55.6± 11.6	59.7± 11.3	7.2± 1.8	6.8± 1.7	6.1± 1.1	5.3± 1.1	14.9 ±1.2	14.2± 1.2	82.9± 61.8	60.3± 50.4	46.3± 11.3	46.6± 11.6