HCV/HIV coinfected patients in National Hospital for Tropical Diseases, Vietnam: genotypes, clinical manifestations and initial results in treating of with Peg-IFN/RBV

Background

- HCV/HIV co-infection is major health problem in Vietnam.
- Morbidity:
  + Ha noi City: 86% (N.T Hòa – 2008)
  + HCM City: 41,1% (P.V Thọ - 2009); 68,2% (C.M Nga – 2009)
- Limitation number of HCV patients having specific treatment

Background

- HCV/HIV co-infection quickly progress to cirrhosis and liver cancer.
- HCV treatment face to high payment, side effects and drug interaction.
- Most of HCV/HIV patients not been treated to HCV

Method

- 226 patients involved in the study
- 63 patients tested for HCV genotypes
- 26 patients with HCV RNA > 1.000 cp/ml have been treated with ARV and Peg-IFN/RBV.

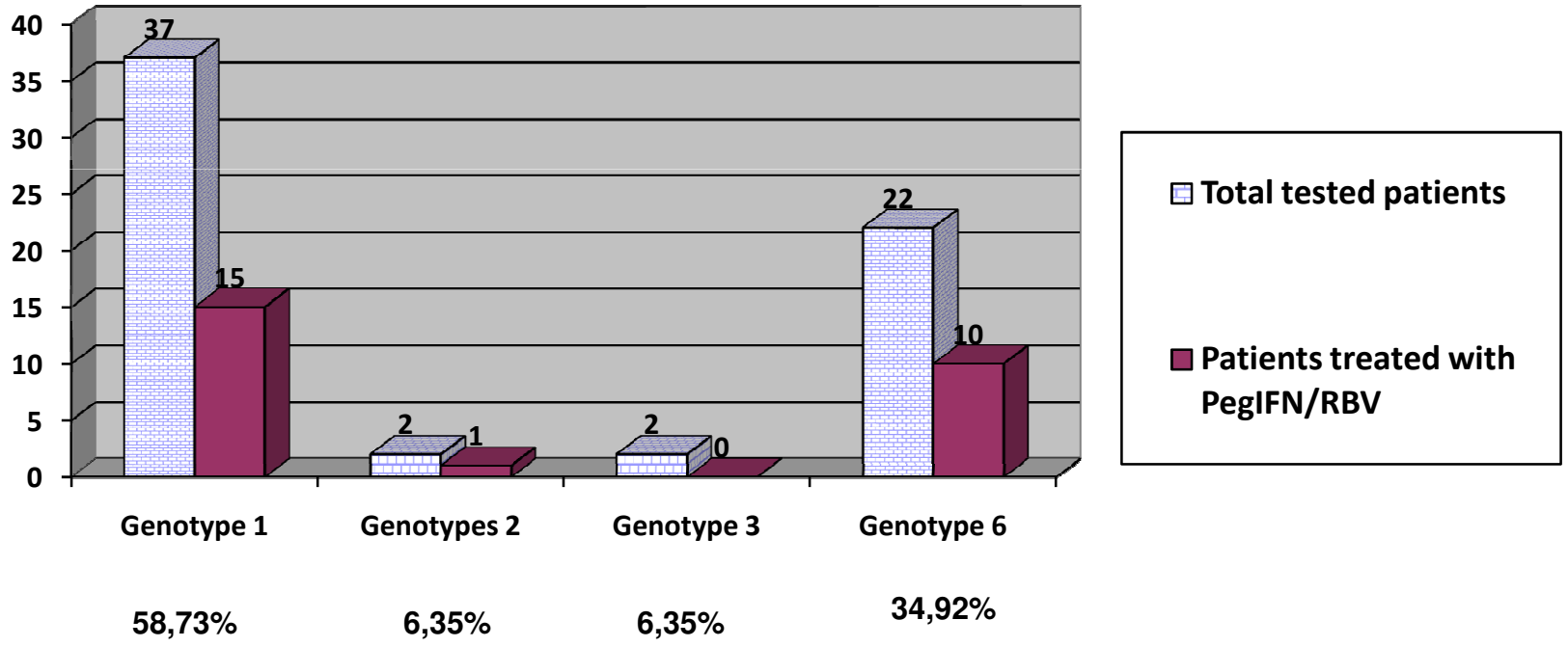
Result

1. Patient characters:

	n	%
Male	214	94,69
Female	12	5,31
IDU	163	72,12
Unsafe sex	101	44,69
ARV	216	95,58
HCV treatment	0	0,00

Result

2. Genotypes:



Result

3. Clinical symptoms:

Symptom	Frequency	Percentage (%)
Loss appetite	38	16,81
Fatigue	24	10,62
Yellow urine	17	7,52
Star like blood vessel dilation	8	3,54
Right costal margin pain	6	2,66
Jaundice	3	1,33
Hepatomegaly	2	0,09
Spleenmegaly	1	0,04
Acites	0	0

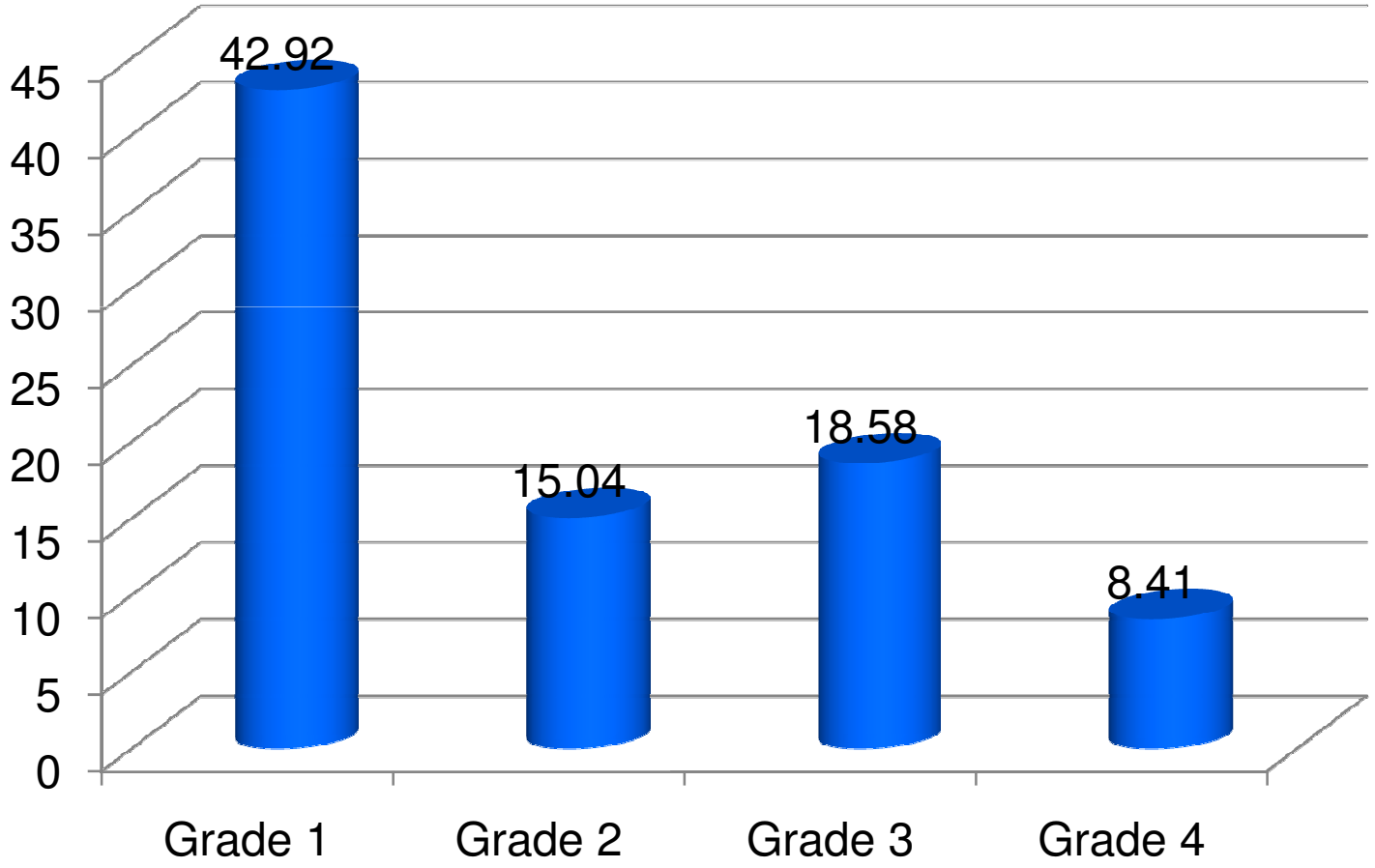
Result

4. ALT / AST:

Value	Frenquence	Percentage (%)
ALT		
< 40	66	29,86
40-100	94	42,53
101 – 200	47	21,27
201 – 400	13	5,88
> 400	1	0,45
AST		
< 40	70	31,67
40-100	104	47,06
101 – 200	42	19,00
201 – 400	5	2,26
> 400	0	0

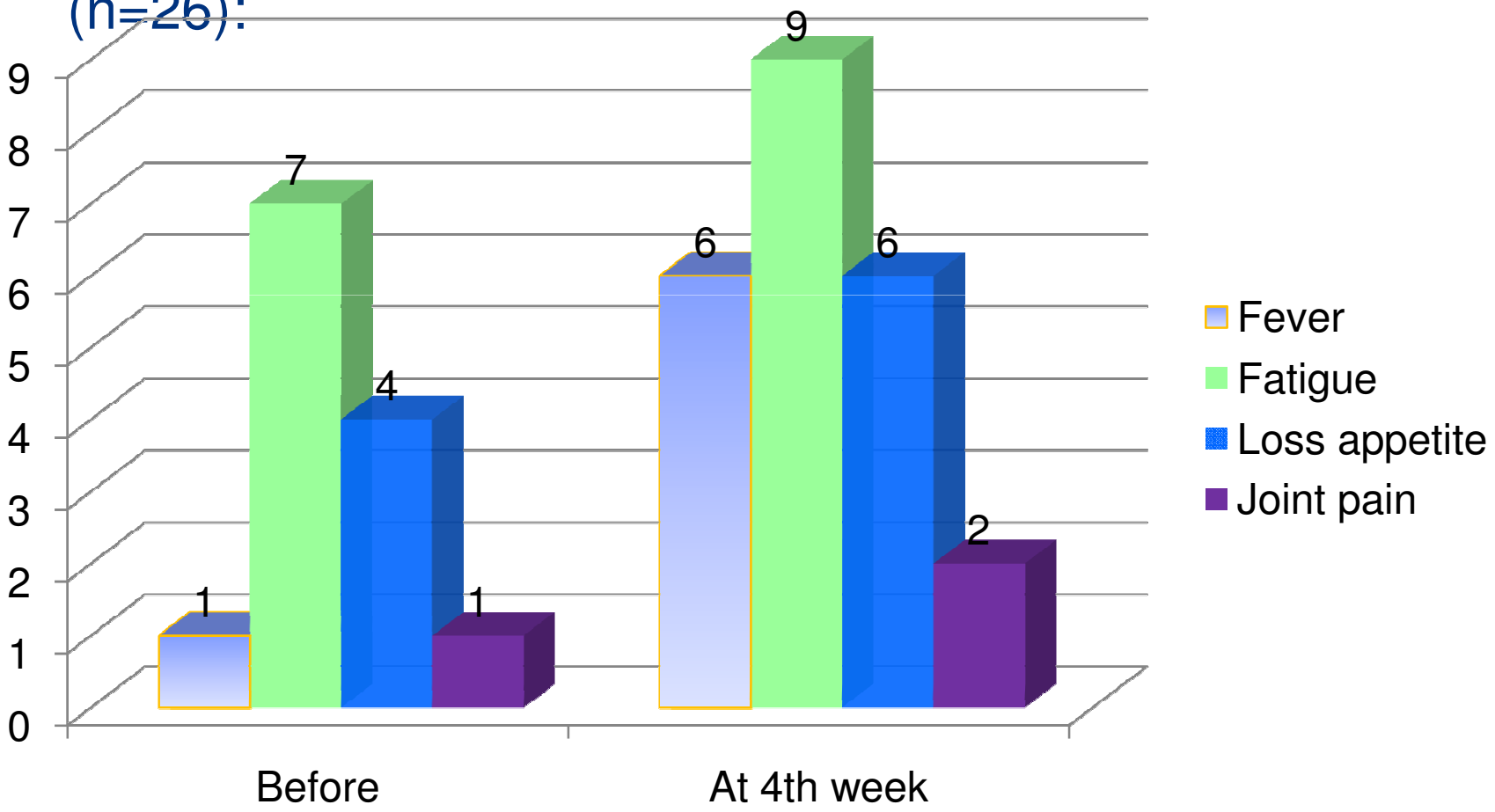
Result

5. Fibro scan:



Result

6. Clinical symptoms before and at 4th week of treatment (n=26):



Result

7. Haematology: at T0 and 4th week (T4):

	Normal	Low decreasement	Middle decreasement	High decreasement
RBC	**T0**: 18	4	0	0
	T4: 16	5	0	1
WBC	**T0:** 16	Reduce: 1		
	T4: 16	Reduce: 6		
PLT	**T0:** 21	1	0	0
	T4: 13	5	4	0

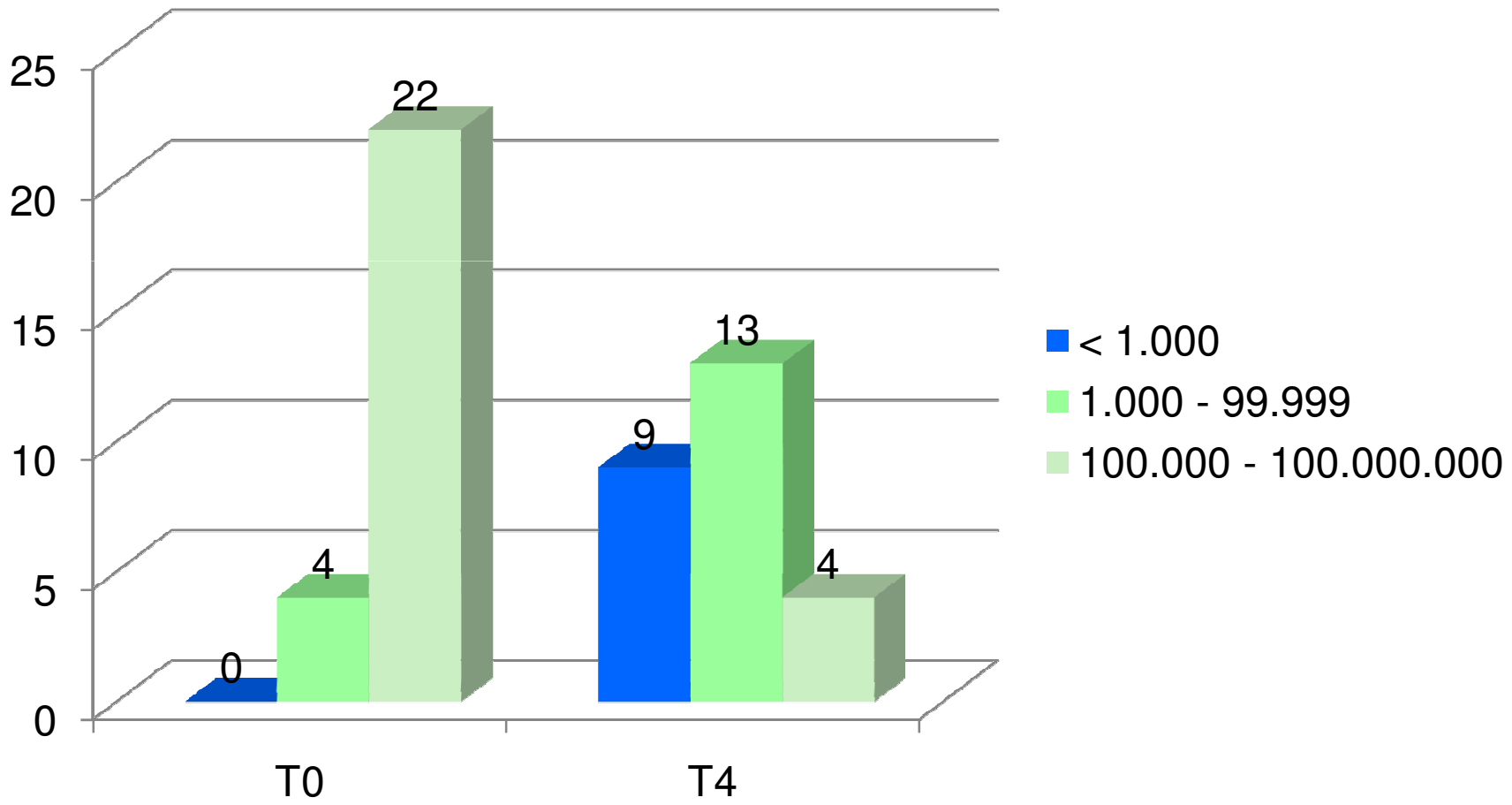
Result

8. AST / ALT at T0 and T4:

Value	T0	T4
ALT		
< 40	6	9
40-100	9	16
101 – 200	7	1
201 – 400	4	0
> 400	0	0
AST		
< 40	8	15
40-100	12	9
101 – 200	6	2
201 – 400	0	0
> 400	0	0

Result

9. HCV RNA at T0 and T4:



HCV RNA Load

- 9 patients with HCV RNA load down to undetectable
- 13 patients with HCV RNA load down from 100.000 – 100.000.000 to 1.000 – 99.999
- 4 patients with HCV RNA unchangeable

- 22/26 patients have good virus response.

Conclusion

1. 4 HCV genotypes: 1, 2, 3 and 6, mainly genotype 1 and 6 (58,73% and 34,92% respectively).
2. Clinical symptoms are poor and nonspecific: loss appetite (16,81%), fatigue (10,62%), yellow urine (7,52%)

Conclusion

3. Good HCV RNA response at 4^{th} of treatment.

Thank you!