Health care for viral hepatitis in Russia
(from the patients’ perspective)
Do we have conditions to treat hepatitis in Russia?

Is health care available for patients with viral hepatitis?
AVAILABILITY OF MEDICINES

AVAILABILITY OF MEDICAL CARE
The cascade of health care includes:

0. prevention
00. awareness
1. screening
2. registration
3. diagnostics
4. drug provision
5. treatment supervision
6. post-treatment observation
7. deregistration
8. post-cure support
Factors affecting to health care availability:

1. availability of medicines;
2. availability of diagnostic;
3. enough physicians;
4. regulatory framework;
5. interest of the authorities;
6. good awareness.
Factors affecting to health care availability:

1. availability of medicines can be:
   a) legal,
   b) physically,
   c) economically:
      ▪ for the patients
      ▪ for the state

It should be more profitable to treat hepatitis than to treat its consequences
Factors affecting to health care availability:

1. medicines are available;
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3. enough physicians;
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Factors affecting to health care availability:

1. medicines are available;
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What tests should be done to choose treatment?

1. RNA HCV;
2. genotyping;
3. biochemical blood test;
4. general clinical blood test;
5. coagulation test;
6. glomerular filtration rate;
7. the exclusion of co-infection: anti HIV, HBsAg;
8. the exclusion of autoimmune liver diseases (LIVER 9 or ANA, AMA-M2);
9. ultrasound of the abdominal cavity;
10. determination of liver fibrosis.
What tests should be done to choose treatment?

- RNA HCV;
- genotyping;
- biochemical blood test;
- general clinical blood test;
- coagulation test;
- glomerular filtration rate;
- the exclusion of co-infection: anti HIV, HBsAg;
- the exclusion of autoimmune liver diseases (LIVER 9 or ANA, AMA-M2);
- ultrasound of the abdominal cavity;
- determination of liver fibrosis – biopsy.
How much the all tests costs?

The complex of pre-treatment tests costs:
15 000 — 20 000 ruble in Moscow
10 000 — 12 000 ruble in Novosybirsk

Average salary in Russia – 35 000 ruble
40% of the population consider themselves poor, and have difficulties with the purchase of food, medicines and clothing
Factors affecting to health care availability:

- medicines are available;
- diagnostic are not available;
3. enough physicians;
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5. interest of the authorities;
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Factors affecting to health care availability:

✓ medicines are available;
✗ diagnostic are not available;
3. enough physicians;
4. regulatory framework;
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6. good awareness.
Do we have enough physicians?

1. There are about 6600 infectious physicians in Russia: every one of them serves about 30 000 people.

2. Average age ~50 years (education 20 years ago)
   • viral hepatitis has been known for a long time: hepatitis B since 1956, hepatitis C – 1985;
   ▪ drugs that allow to treat hepatitis C, appeared recently: FDA approved sofosbuvir in Desember 2013.

There was no system of continuous medical education in Russia until 2017!
Factors affecting to health care availability:

- medicines are available;
- diagnostic are not available;
- there is no enough physicians;

4. regulatory framework;
5. interest of the authorities;
6. good awareness.
Factors affecting to health care availability:

- medicines are available;
- diagnostic are not available;
- there is no enough physicians;
- regulatory framework;
- interest of the authorities;
- good awareness.
Is regulatory framework good enough?

1. Health protection act;
2. Sanitary and epidemiological norms;
3. Clinical guidelines;
4. Standards of care;
5. The procedure of medical care;
6. Quality standard;
7. Restrictive lists (VED);
8. Regional regulatory framework.
Is regulatory framework good enough?

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6. Quality standard;
7. Restrictive lists (VED);
8. Regional regulatory framework.
Is regional regulatory framework good enough?

We ask 86 regions
We got answers from 56 regions
Special program exists in 14 regions


Costs of hepatitis treatment are covered by:

- regional budget 29 regions
- mandatory health insurance 22 regions

Relevant clinical guidelines are used in 13 regions
Factors affecting to health care availability:

- medicines are available;
- diagnostic are not available;
- there is no enough physicians;
- the regulatory framework is outdated;

5. interest of the authorities;
6. good awareness.
Factors affecting to health care availability:

- ✔ medicines are available;
- × diagnostic are not available;
- × there is no enough physicians;
- × the regulatory framework is outdated;

5. interest of the authorities;

6. good awareness.
Factors affecting to health care availability:

- medicines are available;
- diagnostic are not available;
- there is no enough physicians;
- the regulatory framework is outdated;

5. interest of the authorities = financing

It is more profitable to treat hepatitis, than to treat its consequences
Factors affecting to health care availability:

- medicines are available;
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- the authorities have no interest to treat hepatitis;

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Factors affecting to health care availability:

- ✓ medicines are available;
- ✗ diagnostic are not available;
- ✗ there is no enough physicians;
- ✗ the regulatory framework is outdated;
- ✗ the authorities have no interest to treat hepatitis;

6. good awareness.
Is awareness good enough?

We have asked 1432 visitor of www.nohep.ru from 64 regions

- HCV 76%
- HBV 11.3%
- HBV+HCV

- < 1 лет: 9%
- 1-5 лет: 35%
- 5-10 лет: 38%
- > 10 лет: 18%
- здоровы: 4.5%
How does patients got knew about their disease?

- Street express test action: 1.5%
- Regular medical examination: 13%
- Examination during pregnancy: 8%
- Pre-surgery examination: 23%
- Trying to become a donor: 5%
- Under own initiative: 17%
- Appealed to the doctor: 22%
- Accidentally: 50.5%
- Own initiative: 39%
Does patients got any information about disease?

- **voice consultation**: 16%
- **printed material**: 5%
- **employee couldn't answer**: 22%
- **got the results via e-mail**: 4%
- **nothing at all**: 53%

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
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<tbody>
<tr>
<td>21%</td>
<td>79%</td>
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Was the information enough?

yes, it was enough

14%

no, it was not enough

24%

information was incorrect

62%
Factors affecting to health care availability:

- ✓ medicines are available;
- ✗ diagnostic are not available;
- ✗ there is no enough physicians;
- ✗ the regulatory framework is outdated;
- ✗ the authorities have no interest to treat hepatitis;
- ✗ awareness is poor
Factors affecting to health care availability:

- medicines are available;
- diagnostic are not available;
- there is no enough physicians;
- the regulatory framework is outdated;
- the authorities have no interest to treat hepatitis;
- awareness is poor.
Factors affecting to health care availability:

- economically medicines are not available to patients;
- diagnostic are not available;
- there is no enough physicians;
- the regulatory framework is outdated;
- the authorities have no interest to treat hepatitis;
- awareness is poor.
There is no conditions for prevention and treatment of viral hepatitis in Russia
Health care for viral hepatitis in Russia from the patients’ perspective

Why?
There is no unified systematic approach to the prevention and treatment of viral hepatitis in Russia.
Why?
The state does not understand that it is more profitable to treat hepatitis than to treat its consequences.
Thank you for your attention!

Nikita Kovalenko
Chairman of the Board «United against hepatitis»

email: knv@nohep.ru
phone.: +7 (985) 130-3500
hot line: 8 800 775-9200

www.nohep.ru