Financial aspects of HCV elimination.
Is it „cost saving”?
Cost of screening and treatment.

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Hungary hepatitis meeting
Budapest, 31- October, 2019
• Existence of HCV was proven only in 1989
• 130-150 million infected patient around the World
• 70-100 thousand carriers of HCV
• Difficult to identify, asymptomatic for decades
• Chronic case: cirrhosis, liver cancer
• With previously infected blood, nowadays mainly among drug users
Authorization process 1.

Priority Index

- Definition: Proritization (schedule) of HCV infected patients based on professional aspects (numeric value)
- Objective components: stage of liver disease, progression (0-70 point)
- Special aspects: eg. HC-workers, already transplanted (10-50 point)
- Subjective components: points by physicians, Committee (0-12 point)
Authorization process 2.

1. Treatment application
   - Hepatitis Registry (HEPREG)
   - Hepatitis Therapeutic Committee
     - Professional protocol
     - Priority Index

2. Budget constraint
   - Financing protocol
   - Waiting list

3. Treatment permission (NHIF)
   - Start treatment (8-12-24 week)
   - Performance based evaluations (EOT+ week 24. HCV RNS examination)

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Therapeutic possibilities & healing rates

<table>
<thead>
<tr>
<th>Year</th>
<th>Healing Rate</th>
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<tbody>
<tr>
<td>1994 interferon</td>
<td>15%</td>
</tr>
<tr>
<td>1997 INF+RBV</td>
<td>30%</td>
</tr>
<tr>
<td>2002 PegINF+RBV</td>
<td>40%</td>
</tr>
<tr>
<td>2013 DAA komb</td>
<td>70% Expected</td>
</tr>
<tr>
<td>2013-14 DAA</td>
<td>50% Fact</td>
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</tbody>
</table>

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Therapeutic possibilities & healing rates

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- 1994 interferon monotherapy: 15%
- 1997 INF+RBV: 30%
- 2002 PegINF+RBV: 40%
- 2013 DAA komb Expected: 70%
- 2013-14 DAA Fact: 50%
- INF Free Expected: 95%
- INF Free Fact: ?
Therapeutic costs

Cost of 1 SVR 100% = 2010

Triple combinations

1. Public Procurement -50%
2. Public procurement -80%
Screening programme is necessary!
Waiting list (patient number) for HCV treatment
5854 treatments were permitted

5426 treatments were completed

4502 patients have EOT+24 (SVR) result

- Zepatier 97%
- Harvoni 94.36%
- Viekirax+Exviera 97.75%

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Hepatitis C treatment: where are we now in Hungary?

2010
- Queue for months
- Long, 48-72 week treatments
- Particularly poor cure rates of 40%
- Approx. 500 healed patients

2018
- Immediate initiation of therapy
- Shortened treatment duration: 8-12 week treatments
- Cure rates approaching 100%
- Approx. 2100 healed patients
Possibilities and challenges for future

- HCV screening programmes (highlighted HC-workers)
- Treatment for IFM failure patient, possibilities to reimburse new therapies
- Exact definition of successful treatment path based on further evaluation and integration to protocol
- Increase the essence of performance basis in other disease groups
- A paradigm shift in access to Hepatitis C drugs: "renaming" the waiting list to the registration list, meaning rapid access to therapy.
Thank you very much for your kind attention.