Researching therapies for Alzheimer’s Disease

Breaking down the failures

A break down of unsuccessful drugs by phase

A break down of unsuccessful drugs by cost

Success rate for Alzheimer’s Disease

The cost of Alzheimer’s disease

Looking to the future

The light at the end of the tunnel?

Why it is so important to look in the right place

Success rate for Alzheimer’s Disease trials between 2002 and 2012

<table>
<thead>
<tr>
<th>PHASE</th>
<th>COST ($)</th>
<th>DURATION (months)</th>
<th>SUCCESS RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preclinical</td>
<td>1.65</td>
<td>50.1</td>
<td>3%</td>
</tr>
<tr>
<td>Phase I</td>
<td>1.19</td>
<td>12.8</td>
<td>7.3%</td>
</tr>
<tr>
<td>Phase II</td>
<td>1.04</td>
<td>27.7</td>
<td>15.3%</td>
</tr>
<tr>
<td>Phase III</td>
<td>1.79</td>
<td>50.9</td>
<td>0.4%</td>
</tr>
<tr>
<td>FDA</td>
<td>0.02</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>18</td>
<td>13.3 years</td>
<td></td>
</tr>
</tbody>
</table>

Some of these therapy candidates could have been ruled out earlier and would have saved millions of dollars and saved time.

Since 1998 there has been 146 failed drugs and only 4 that have been successful in treating Alzheimer’s disease.

References:
1. PhRMA analysis of Adis R&D Insight Database, 25 January 2018
2. Why Drugs for Alzheimer’s Are So Hard to Develop. https://medium.com/s/thenewnew/why-drugs-for-alzheimers-are-so-hard-to-/f_ind-52e8086f7a2a. 2018
4. Researching Alzheimer’s disease: Setbacks and stepping stones. PhRMA. 2018
5. Dementia fact sheet December 2017; World Health Organisation