Two Decades of Research Have Shown

**RENADYL HELPS IMPROVE KIDNEY FUNCTION BY REDUCING UREMIC TOXINS**

Renadyl™ is a patented, proprietary kidney health supplement which modulates the gut microbiome to support healthy BUN and creatinine levels, by reducing nitrogenous waste in the bowel and restoring healthy gut flora.

Renadyl™ is a blend of S. thermophilus (KB 19), L. acidophilus (KB27) and B. longum (KB31) strains of probiotic bacteria.

<table>
<thead>
<tr>
<th>Year</th>
<th>2013</th>
<th>2015</th>
<th>2017*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Results of Three Consecutive Biennial Customer Survey</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of Surveys Sent</td>
<td>998</td>
<td>834</td>
<td>600</td>
</tr>
<tr>
<td>Number of Respondents</td>
<td>147 (14.7%)</td>
<td>168 (20.1%)</td>
<td>214 (35.6%)</td>
</tr>
<tr>
<td><strong>Breakdown of Respondents</strong></td>
<td></td>
<td></td>
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<tr>
<td>Respondents in ESRD (%)</td>
<td>17%</td>
<td>17%</td>
<td>21%</td>
</tr>
<tr>
<td>Respondents in CKD III and IV (%)</td>
<td>57%</td>
<td>58%</td>
<td>73%</td>
</tr>
<tr>
<td>Respondents indicating Renadyl improved quality of life (%)</td>
<td>73%</td>
<td>72%</td>
<td>88%</td>
</tr>
<tr>
<td><strong>GFR Results</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average change in GFR since taking Renadyl</td>
<td>**</td>
<td>**</td>
<td>3.5 mL/min/1.73m²</td>
</tr>
</tbody>
</table>

* Since the previous 2013 and 2015 survey, the Renadyl formulation has been improved

** GFR information was not ascertained in 2013 or 2015 in compliance with HIPPA regulations, 2017 GFR data is self-reported by the respondent.

**DISCLAIMER:** These statements have not been evaluated by the US Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease. All products are manufactured in USA.
Three Cumulative Clinical Trial Findings

- **Probiotic bacteria (proprietary strains)**
  1. *Streptococcus thermophilus* (KB 19)
     - Urea, uric acid, creatinine
  2. *Lactobacillus acidophilus* (KB 27)
     - Methionine, di-D-methionine, tri-D-methionine oxides
  3. *Bifidobacteria longum* (KB 31)
     - Indoles, phenols, cresols, middle molecules

**Reduction in**
- Creatinine
- The inflammatory biomarker C-reactive protein
- Urea
- Potassium
- Serum total indoxyl glucuronide

**Increase in quality of life**, which is often measured by:
- Feeling good and eating better
- Higher productivity with less stress
- Greater cognitive function and increased activity

Mechanism Of Action – The Gut Kidney Connection

**Alleviates Dysbiosis**
- Production of Bacteriocins
  - Reduction of Pathogens
  - Repair of Gut barrier Integrity
  - Increase in butyrate producers

**Metabolic Effect**
- Nitrogenous Wastes
  - In SIBO
  - In Gut derived uremic toxins

**Control of Inflammation**
- Pro-inflammatory markers
  - Anti-inflammatory markers