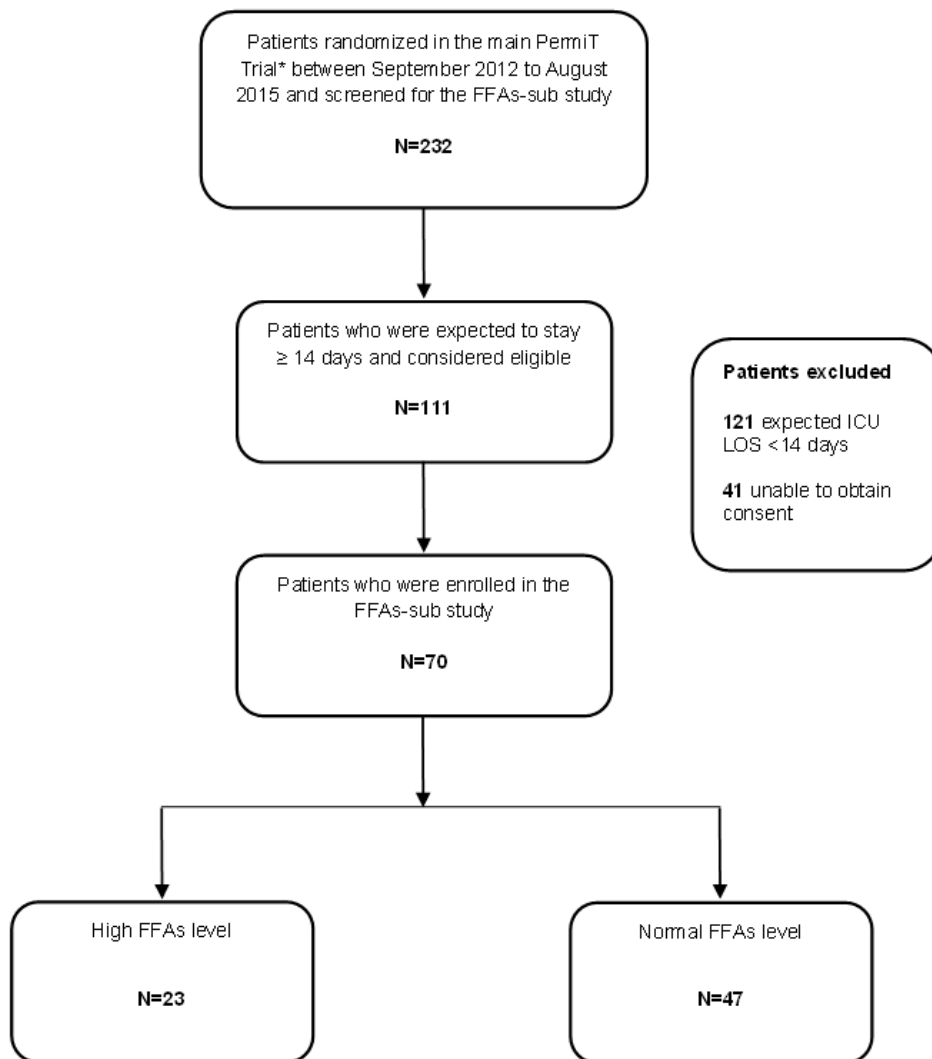


**Table S1:** Pearson correlations among baseline free fatty acids (FFAs) level and other related measures of lipid metabolism.

| Variables           |         | FFAs          | Glucose      | LDL               | HDL           | Cholesterol       | Non-HDL cholesterol | Triglyceride      | Age          | BMI          |
|---------------------|---------|---------------|--------------|-------------------|---------------|-------------------|---------------------|-------------------|--------------|--------------|
| LDL                 | r       | <b>0.43</b>   | -0.10        | 1.00              | <b>0.39</b>   | <b>0.80</b>       | <b>0.73</b>         | -0.06             | 0.15         | 0.11         |
|                     | P value | <b>0.0003</b> | 0.43         |                   | <b>0.001</b>  | <b>&lt;0.0001</b> | <b>&lt;0.0001</b>   | 0.65              | 0.21         | 0.36         |
| HDL                 | r       | <b>0.30</b>   | -0.07        | <b>0.39</b>       | 1.00          | <b>0.43</b>       | 0.08                | <b>-0.44</b>      | -0.02        | -0.19        |
|                     | P value | <b>0.01</b>   | 0.57         | <b>0.001</b>      |               | <b>0.0003</b>     | 0.49                | <b>0.0002</b>     | 0.90         | 0.13         |
| Cholesterol         | r       | <b>0.45</b>   | 0.02         | <b>0.80</b>       | <b>0.43</b>   | 1.00              | <b>0.93</b>         | <b>0.33</b>       | 0.20         | 0.18         |
|                     | P value | <b>0.0001</b> | 0.90         | <b>&lt;0.0001</b> | <b>0.0003</b> |                   | <b>&lt;0.0001</b>   | <b>0.006</b>      | 0.11         | 0.14         |
| Non-HDL cholesterol | r       | <b>0.38</b>   | 0.05         | <b>0.73</b>       | 0.08          | <b>0.93</b>       | 1.00                | <b>0.54</b>       | 0.22         | <b>0.27</b>  |
|                     | P value | <b>0.002</b>  | 0.72         | <b>&lt;0.0001</b> | 0.49          | <b>&lt;0.0001</b> |                     | <b>&lt;0.0001</b> | 0.07         | <b>0.02</b>  |
| Triglyceride        | r       | 0.10          | 0.04         | -0.06             | <b>-0.44</b>  | <b>0.33</b>       | <b>0.54</b>         | 1.00              | -0.01        | 0.21         |
|                     | P value | 0.41          | 0.75         | 0.65              | <b>0.0002</b> | <b>0.006</b>      | <b>&lt;0.0001</b>   |                   | 0.93         | 0.09         |
| Age                 | r       | <b>0.40</b>   | <b>0.38</b>  | 0.15              | <b>-0.02</b>  | 0.20              | 0.22                | -0.01             | 1.00         | <b>0.37</b>  |
|                     | P value | <b>0.0006</b> | <b>0.002</b> | 0.21              | <b>0.21</b>   | 0.11              | 0.07                | 0.93              |              | <b>0.002</b> |
| BMI                 | r       | 0.20          | 0.16         | 0.11              | <b>-0.19</b>  | 0.18              | <b>0.27</b>         | 0.21              | <b>0.37</b>  | 1.00         |
|                     | P value | 0.09          | 0.22         | 0.36              | <b>0.13</b>   | 0.14              | <b>0.02</b>         | 0.09              | <b>0.002</b> |              |

HDL: High density lipoproteins; LDL: Low density lipoproteins; BMI: body mass index; r= correlation coefficient



\* Arabi YM, Aldawood AS, Haddad SH, Al-Dorzi HM, Tamim HM, Jones G, et al. Permissive Underfeeding or Standard Enteral Feeding in Critically Ill Adults. *N Engl J Med.* 2015;372(25):2398-408

**Figure S1.** Flow diagram for patients enrolled in the sub-study of free fatty acids (FFAs) level.