**EFFECTS OF ECSAPENTANOIC ACID PLUS DOCOSAPENTANOIC ACID AND ECSAPENTANOIC ACID ALONE ON Fasting and Postprandial Lipids**

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**Background**
- Results from previous studies suggest fasting and postprandial HTG [hypertriglyceridemia] risk factors are modulated by cardiovascular disease and, when present, atherosclerosis.
- Excessive TG levels are associated with myocardial infarction, stroke, and cardiovascular disease.[1-3]

**Methods**
- ClinicalTrials.gov identifier: NCT02310022.
- Conclusions
- Use of the highest recommended dose of any statin medication
- Regular consumption of greater than one meal containing fish or shellfish
- Body mass index (BMI) of 19.0-35.0 kg/m²
- Fasting TG level 200-400 mg/dL at screening without lipid-altering therapy

**Subjects**
- Major inclusion criteria included:
  - Male or female age 18-80 years old
  - Fasting TG level 200-400 mg/dL at screening without lipid-altering therapy, or fasting TG level 200-400 mg/dL if on stable dose of statin therapy
  - Body mass index (BMI) of 19.0-35.0 kg/m²
  - HDL-C 40-60 mg/dL
  - Total cholesterol (TC) of 150-220 mg/dL

- Major exclusion criteria included:
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    - History of or presence of cardiovascular disease, or any concomitant conditions considered to be risk factors for cardiovascular disease
    - Hypothyroidism
    - Hypoadrenalism
    - Cushing’s syndrome
    - Pancreatitis
    - Chronic liver disease

**Objectives**
- To enroll a total of 60 subjects in the MAT9001 compared to EPA-EE, on fasting and PP triglyceride and apolipoprotein A-I in men and women with elevated TG

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**Background**
- Findings from prior studies indicate that products with varying proportions of EPA and DHA have shown differing effects on TG and HDL-C concentrations.[4-6]
- Major inclusion criteria included:
  - Subjects had to be men and women aged 18 to 80 years old
  - Baseline TG level 200-400 mg/dL
  - BMI of 19.0-35.0 kg/m²
  - Fasting TG level 200-400 mg/dL

**Conclusions**
- Use of the highest recommended dose of any statin medication
- Regular consumption of greater than one meal containing fish or shellfish
- Body mass index (BMI) of 19.0-35.0 kg/m²
- Fasting TG level 200-400 mg/dL

**Results**

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<th>Parameter</th>
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<th>% Δ</th>
<th>Baseline</th>
<th>% Δ</th>
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<tbody>
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<td>116</td>
<td>2.6</td>
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<td>HDL-C</td>
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<tr>
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<td>-18.5*</td>
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**Table 1. Subject baseline demographic data**

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**Table 2. Subject baseline demographic data**

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**References**