Switching from Lopinavir-Ritonavir to Raltegravir

SWITCHMRK 1 & 2 Trials
Switching from Lopinavir-Ritonavir to Raltegravir
SWITCHMRK 1 & 2 Trials: Study Design

Study Design: SWITCHMRK 1&2

- **Background**: Randomized, double-blind, double-dummy trial evaluating switch from lopinavir-ritonavir to raltegravir in combination with background therapy.

- **Inclusion Criteria** (n = 707 combined)
  - Age ≥18 years
  - HIV RNA <50 copies/mL for ≥3 months
  - On lopinavir-ritonavir
  - CD4 count ≥100 cells/mm³
  - No lipid-lowering agent for 12 weeks

- **Treatment Arms**
  - Raltegravir 400 mg BID + background therapy
  - Lopinavir-ritonavir 400-100 mg BID + background therapy

*Background therapy in both groups included at least 2 NRTIs

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SWITCHMRK 1 & 2 Trials: Results

Week 24: Virologic Response (Non-Completion Counted as Failure)

<table>
<thead>
<tr>
<th>HIV RNA &lt; 50 copies/mL (%)</th>
<th>Raltegravir</th>
<th>Lopinavir-ritonavir</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWITCHMRK 1</td>
<td>81/172</td>
<td>87/174</td>
</tr>
<tr>
<td>SWITCHMRK 2</td>
<td>88/175</td>
<td>94/178</td>
</tr>
<tr>
<td>Combined Data</td>
<td>84/347</td>
<td>91/352</td>
</tr>
</tbody>
</table>

Virologic Failure: Lopinavir-Ritonavir (N = 4); Raltegravir (N = 12)

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SWITCHMRK 1 & 2 Trials: Results

Week 24: Virologic Response (Non-Completion Counted as Failure)

Switching from Lopinavir-Ritonavir to Raltegravir

SWITCHMRK 1 Trial: Results

SWITCHMRK 1 Week 12: Analysis of Lipids

Switching from Lopinavir-Ritonavir to Raltegravir
SWITCHMRK 2 Trial: Results

SWITCHMRK 2 Week 12: Analysis of Lipids

Switching from Lopinavir-Ritonavir to Raltegravir
SWITCHMRK 1 & 2 Trials: Conclusions

**Interpretation:** “Although switching to raltegravir was associated with greater reductions in serum lipid concentrations than was continuation of lopinavir-ritonavir, efficacy results did not establish non-inferiority of raltegravir to lopinavir-ritonavir.”

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