<table>
<thead>
<tr>
<th><strong>Title</strong></th>
<th>The effect of pain on cognitive function: a review of clinical and preclinical research.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Author(s)</strong></td>
<td>Moriarty, Orla; McGuire, Brian E.; Finn, David P.</td>
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<tr>
<td><strong>Item record</strong></td>
<td><a href="http://hdl.handle.net/10379/3129">http://hdl.handle.net/10379/3129</a></td>
</tr>
</tbody>
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Neuroplasticity theory

- ↑ volume
- ↑ EPSP amp.
- ↑ LTP

- ↓ grey matter
- ↓ dendrite length & branching
- ↓ spine density

Neuromediator theory

- ↑ glutamate
- ↑ pro-inflammatory cytokines
- ↑ caspases
- ↑ GABA signalling

Limited Resource theory

- ↓ LTP
- ↓ Neurogenesis

- ↓ LTP
- ↓ Neurogenesis

Co-activation

- ↑ glutamate
- ↑ astroglial activation
- ↑ CB1 activity
- ↑ BDNF

- ↑ glutamate
- ↑ pro-inflammatory cytokines
- ↑ caspases
- ↑ GABA signalling

Neurogenesis

- ↑ glutamate
- ↑ pro-inflammatory cytokines
- ↑ caspases
- ↑ GABA signalling

ECS

- ↑ glutamate
- ↑ pro-inflammatory cytokines
- ↑ caspases
- ↑ GABA signalling