# Is a Humpless Camel Real? The Role of Knowledge in Visual Recognition 

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| Results - Adults with Semantic Dementia | Finding: <br> OAT Semantic Dementia Patient Data | Semantic dementia patients' exhibit increased errors in <br> performance in recognition task when the inage depicts <br> a prototypic but non-real animal. Suggests selection is <br> influencel by semantic regularities within animal <br> depictions. |
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| Considerations: |  |  |

What can kids tell us about the structure of knowledge?


Conclusions
Performance of children aged 3 to 5 -year-old mirrors selections of semantic dementia patients; favoring more prototypic depictions
Support found for model wherein semantic knowledge informs visual recognition
Current and Future Directions
Remove need for children to understand "real" vs
"silly" distinction through touch selection in change
detection paradigm on tablet computer
Incorporate eye-tracking methodologies to model
gaze paths during selection


