# The Biological Explanations of OCD

## Preparation tasks

* Complete the keywords task (overleaf/opposite)
* Watch: <https://www.youtube.com/watch?v=111SCqWOxus>
* Read (digital book pages): 154-155
* Read (topic companion pdf): 28-30

## Notes tasks

### A01 – description (based on digital book)

* Read ‘The specification says’ section
* Check the Lifelines – make sure you scan these to understand the reading
* Make structured notes from these explanations.
  + **Genetic (Lewis study, candidate genes, polygenic, OCD types)**
  + **Neural (role of serotonin, decision-making systems)**
* Wally Extension – complete the E task in the digital book (on twin studies)

### A03 – Evaluation (Point-Relevance-Conclude)

Do separate evaluation for the two explanations (genetic, neural)

The below is based on the digital book – but you can also include any A03 from the topic companion as well. Decide on what you understand better from your reading and what you will find easier to turn into PRC in an essay!

|  |  |
| --- | --- |
| **Genetics** | **Neural** |
| + Research support | + Research support |
| - Environmental risk factors | - No unique neural system |
| +/- Animal studies  **MAKE SURE YOU DO THIS!** | +/- Correlation and causality  **MAKE SURE YOU DO THIS AS WELL!** |

## Quiz, Apply It

* Complete the quiz to test your understanding
* Do the Apply It questions and check your answers – write your answers into your Attachment books after your notes on this topic.

# Biological Explanations of OCD – Keywords Dictionary

Use the textbook (physical / digital) or any other resource to create definitions for the following terms. Be careful of using online resources – they can be a) wrong (so need checking) or b) too complex.

You will find the definitions within the text (double spread) or in the index/glossary. Google Gemini is also good for the brain structures (\*) as it will show you images of the areas involved together with descriptions.

The terms are organised into categories to help you learn them.

## Basic terms

* Biological approach
* Genetic explanations
* Neural explanations
* Aetiologically heterogenous
* Antidepressant
* Co-morbidity

## Genetics

* Gene
* Diathesis-stress model
* Candidate genes
* Polygenic

## Neurotransmission

* Neuron
* Neurotransmitters
* Dopamine
* Serotonin
* Synapse

## Brain structure

* Frontal lobe \*
* Parahippocampal gyrus \*