

# Behavior

Behavior is the range of actions and mannerisms made by individuals, organisms, systems, or artificial entities in conjunction with themselves or their environment, which includes the other systems or organisms around as well as the (inanimate) physical environment. It is the response of the system or organism to various stimuli or inputs, whether internal or external, conscious or subconscious, overt or covert, and voluntary or involuntary.

see [Behavioral problem](#).

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Animal [behavior](#) and [metabolism](#) are tightly coordinated with sleep-wake cycles governed by the [brain](#) in harmony with environmental light: dark cycles.

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There is a growing body of literature suggesting that the [corpus callosum](#) plays an important role in behavior. While [behavioral problems](#) are a rare complication following [callosotomy](#), they are well-documented in [agenesis of the corpus callosum](#) (AgCC), with emerging evidence reporting [disinhibition](#) among children with AgCC <sup>1)</sup>

<sup>1)</sup>

Delawan M, Qassim A. Behavioral disinhibition following corpus callosotomy done for colloid cyst excision in 15-year-old girl: A case report and literature review. Surg Neurol Int. 2023 Feb 10;14:48. doi: 10.25259/SNI\_9\_2023. PMID: 36895210; PMCID: PMC9990786.

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