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## Neuroimaging of Gambling Disorder: Toward precision addiction psychiatry

Gambling disorder (Gambling addiction) has been categorized as a behavioral addiction in the international diagnostic criteria of mental disorders. This shift was partly due to the fact that gamble addiction and substance addiction have much in common in clinical symptoms / brain science findings. In this lecture, we will show the common as well as differential findings between gamble addiction and substance addiction revealed by brain imaging research. There might be various subtypes of gambling addiction. In the second half, we will present an example of identification of gambling addiction subtype suggested by our decision-making and brain imaging research. We also want to discuss the possibility of an fMRI imaging biomarker of gambling disorder.