

Focused ultrasound (FUS) involves using **ultrasonic waves** that can be precisely targeted and focused on specific brain **regions**. When applied with **microbubbles**, small gas-filled bubbles injected into the bloodstream, FUS can transiently disrupt the BBB. This **disruption** allows therapeutic **agents** to cross the **blood-brain barrier** and enter the brain **tissue**, where they can exert their effects.

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