

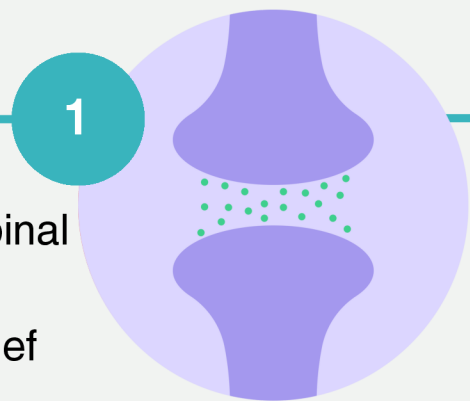
UNDERSTANDING

OPIOID RECEPTORS

THE DOUBLE-EDGED SWORD OF PAIN RELIEF

WHAT ARE OPIOID RECEPTORS

- Opioid receptors are proteins on brain, spinal cord, and other body cells.
- They're part of the body's natural pain-relief system.
- Activated by natural opioids (endorphins) or synthetic opioids (morphine, fentanyl).
- **Mu receptors:** Pain relief, euphoria.
- **Delta receptors:** Mood regulation, well-being.
- **Kappa receptors:** Pain relief, dysphoria.



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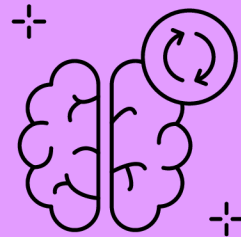


HOW DO OPIOID RECEPTORS WORK?

- Opioids bind to receptors, triggering changes in the nervous system.
- **Pain relief:** Blocks pain signals.
- **Euphoria:** Increases dopamine release (pleasure).
- **Sedation:** Slows nerve activity.
- **Suppression of breathing:** Depresses respiratory centers in the brain (danger of overdose).

OPIOID DEPENDENCY

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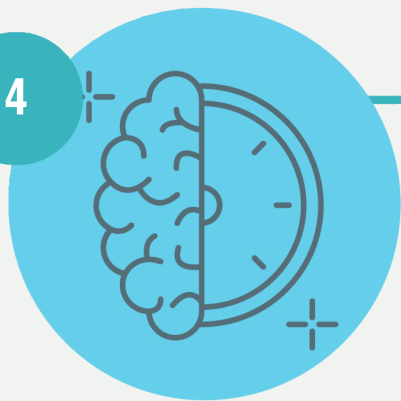
- **Tolerance:** Body adapts, needing higher doses.
- **Dependence:** Brain relies on opioids for function.
- **Addiction:** Compulsive use despite negative consequences.

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OPIOID WITHDRAWAL & THE ROLE OF RECEPTORS

- Withdrawal happens when opioid use stops and receptors are "empty."
- The nervous system becomes hyperactive.
- Common symptoms: cravings, anxiety, muscle aches, insomnia, flu-like symptoms, gastrointestinal distress, sweating, chills, increased heart rate and blood pressure.

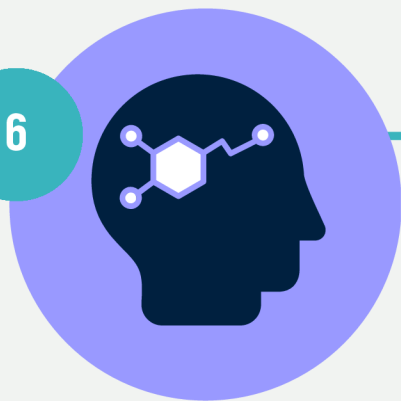
WHY MEDICAL DETOX IS CRUCIAL

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- Medical detox provides a safe environment and medications to ease withdrawal symptoms.

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NATURAL VS. SYNTHETIC OPIOIDS

- The body produces natural opioids (**endorphins**).
- **Synthetic opioids** overstimulate receptors, leading to euphoria and rewiring the brain.

UNDERSTANDING

OPIOID RECEPTORS

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CAN OPIOID RECEPTORS HEAL?

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- **Neuroplasticity:** The brain can heal and reorganize itself.
- Receptors regain normal function over time.
- The reward system recovers, and natural dopamine production increases.

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WHY UNDERSTANDING RECEPTORS MATTERS

- Understanding opioid receptors helps us make informed decisions about pain relief and dependence.

BREAK FREE FROM OPIOIDS WITH WAISMANN METHOD®



- **Medically Assisted Detoxification:**
Comprehensive care to address opioid dependence.
- Call now to start your journey with the nation's leading detox experts!
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