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Amelioration of cognitive impairment following growth hormone replacement therapy: A case report
A case report and review of literature

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Abstract

BACKGROUND

Stroke is one of the leading causes of death and disability worldwide. In patients suffering from strokes and other acute brain injuries, the prevalence of pituitary dysfunction is high, and growth hormone deficiency is commonly found. Previous studies have demonstrated that administration of recombinant human growth hormone

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In this report, a patient with **cognitive disabilities** resulting from **chronic treatment** with opioids for neuropathic pain received **recombinant human growth hormone (rhGH) replacement therapy**. A 61-year-old man presented with **severe cognitive dysfunction** after long-term **methadone treatment** for intercostal neuralgia and was diagnosed with GH insufficiency by **GH releasing hormone-arginine ...**

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This **case** report indicates that **rhGH replacement therapy** could **improve cognitive behaviour** and well-being, as well as hippocampal metabolism and functioning in opioid-**treated** patients with **chronic pain**. The idea that GH could affect **brain function and repair disabilities** induced by long-term exposure to opioid analgesia is supported.

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Observational Studies of **Hormone Replacement Therapy**. The hypothesis that **hormone therapy** might protect against **cognitive** aging arose from observational studies which demonstrated a lower risk of AD among women who had been treated with **hormone therapy** compared with those who had not.

Cited by: 109**Author:** Sarah C. Janicki, Nicole Schupf**Publish Year:** 2010

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A systematic **review** of the **literature** was performed on the application of PRP in bone healing, using the

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Some researchers have suggested that declines in **estrogen** level may lead to deficits in the **cognitive ability**, including memory, attention, language and visuospatial ability, of **post-menopausal women** (6–8). **Mild cognitive impairment** (MCI) is **episodic memory loss** without **dementia**. Approximately 15 to 20 percent of people age 65 or older have MCI.

Author: Fereshteh Moradi, Shahideh Jahanian... **Publish Year:** 2019

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