

# Effects of Growth Hormone Therapy on Metabolic Function in Fatty Liver Post-Pituitary Adenoma Surgery

NCT06448195

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Status	RECRUITING
Phase	Phase 4
Sponsor	Shanghai Zhongshan Hospital
Enrollment	40 participants

## Key Eligibility Criteria

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### Inclusion (8)

- Have fully understood the informed consent and signed the informed consent;
  - Age: 18-60 years old;
  - Patients diagnosed with adult growth hormone deficiency (AGHD) (GH stimulation test: GH peak  $\geq 5\mu\text{g/l}$  or organic hypothalamic-pituitary disease  $\geq 3$  pituitary hormone deficiency with IGF-1  $\leq -2\text{SD}$ )
  - Patients with pituitary growth hormone adenoma proved pathologically after surgery
  - Anterior pituitary hormone supplementation (except growth hormone)
- ... and 3 more (see full listing online)

### Exclusion (10)

- Have any of the following liver disease history: chronic hepatitis, cirrhosis, liver cancer, autoimmune liver disease, alcoholic liver disease, hereditary liver disease
  - Significant abnormal liver function: ALT or AST  $\geq 2$  times the upper limit of normal; HBsAg (+), and/or HCV-Ab (+);
  - Patients with serum creatinine value  $\geq 1.5\text{mg/dL}$  ( $133\mu\text{mol/L}$ );
  - Patients with severe heart disease (patients with a history of myocardial infarction and heart failure and/or severe arrhythmia);
  - Patients with severe infection, other operations within 6 months, or severe trauma;
- ... and 5 more (see full listing online)

## Locations (1 total)

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Shanghai Zhongshan Hospital, Shanghai, China