

به نام خدا

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Ovarian Rejuvenation

In poor responder & POI

1. POR 8-24%
2. POI (Occult, Biochemical, Overt POI)

Techniques rejuvenation

1. Activity Hippo signaling pathway IOA
2. Mitochondrial transfer pro cell (exchange)

PRP

Growth factors can improve tissue perfusion via intra stromal angiogenesis
oocyte quality improve intra follicula oxygen, recovery of mitochondrial
function

- 1) Only PRP
- 2) PRR + stem cell
- 3) PRP + gonadotropin

Success rate → dose dependent

Long lasting effect 14 month

Autologous stem cell therapy

1. Bone marrow
2. Ovary
3. Adipose tissue

Exact mechanism: unknown

- 1) Homing phenomenon
- 2) Para crin action
- 3) Differentiate into variety of cells
- 4) Pro mote angiogenesis
- 5) Reducing apoptosis
- 6) Primordial follicles ↑



Complication

Ovarian granulosa cell
tumor

A close-up photograph of a field of red poppies and green grass. The poppies are in various stages of bloom, with some fully open and others as buds. The grass is tall and green, with some seed heads visible. The text "Thank you" is overlaid in the center in a yellow, serif font with a black outline.

Thank you