

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 photograph of a field of red poppies in tall, green grass. The poppies are in various stages of bloom, with some fully open and others as buds. The grass is tall and slightly out of focus, creating a soft, natural background. The text "Thank you" is overlaid in the center in a yellow, serif font with a black outline.

Thank you