

OOCYTE ACTIVATION IN PATIENTS WITH LOW FERTILIZATION RATES AFTER ICSI

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Purpose: To evaluate the efficacy of artificial oocyte activation using SrCl₂ in patients with low fertilization

Materials and methods: A total of nine couples were treated with ICSI and artificial oocyte activation after failure of conventional ICSI.

Results: Mean fertilization rates, mean cleavage rates, pregnancy rates, and implantation rates after artificial activation in nine couples were increased from 21.7% to 64.5% ($p < 0.001$), from 0 to 15.4%, from 0 to 40.0%, and from 0 to 25.0% respectively. Five healthy babies were born following ICSI and artificial activation. Physical and mental development of the children from birth to 12 months was normal.

Conclusion: These suggest the utility and safety of SrCl₂ for patients with repeated failed fertilization following ICSI and artificial activation.