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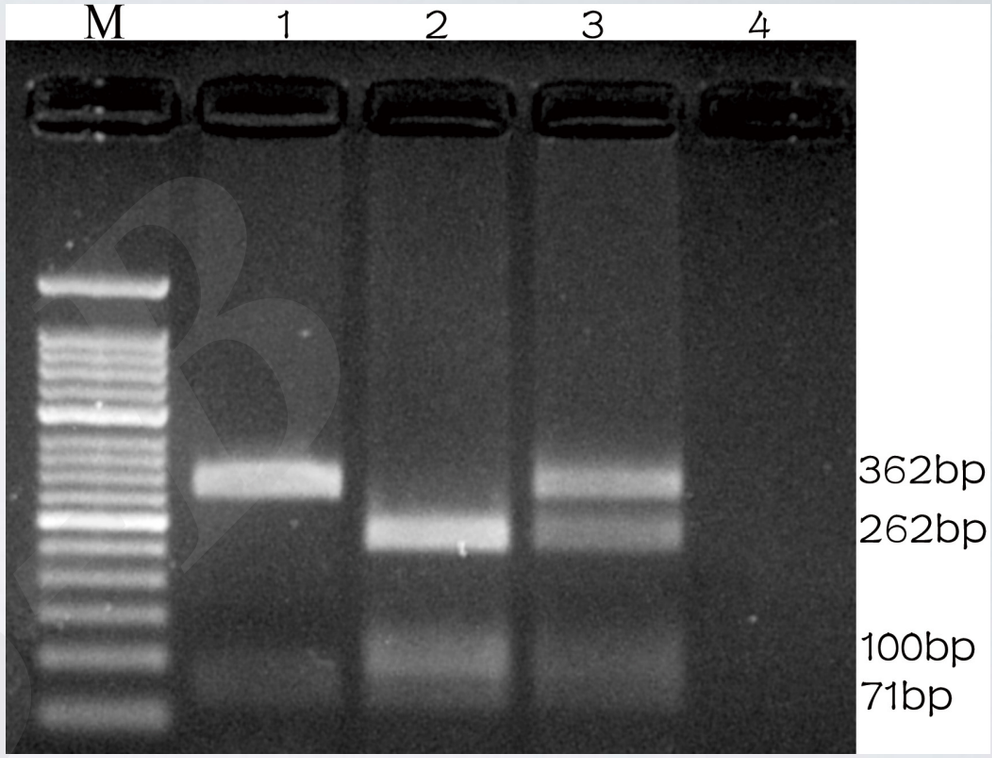
Genetic polymorphisms of *CYP2D6*10* and the effectiveness of combined tamoxifen citrate and testosterone undecanoate treatment in infertile men with idiopathic oligozoospermia

Key words:

Infertility, Cytochrome P450, Oligozoospermia, Tamoxifen, Sex hormone

Materials and methods

- Polymorphisms of CYP2D6 *10 were identified by PCR-RFLP and Patients were treated with tamoxifen citrate and testosterone undecanoate.
- Sex hormone, sperm parameters, and incidence of spontaneous pregnancy were detected.



Results and conclusions

Results

- The sex hormone, sperm concentration, motility, percentage of normal morphology and incidence of spontaneous pregnancy were highest in the CYP2D6*10 C/C group.

Conclusions

- CYP2D6 *10 mutant genotype had a worse clinical outcome in infertile men with idiopathic oligozoospermia treatment combined with tamoxifen citrate and testosterone undecanoate.