Contemporary diagnostic procedures in male infertility

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In common opinion the classical criteria of semen investigation (also in new WHO recommendation from 2010) are not helpful in real prognosis of men fertility. The papers exploring this area were determined the average values for men from couple having child are closed to the WHO recommendation but the range are very wide. On the other hand about 20% men with semen parameter according to WHO recommendation don’t have the children in spite of finding good fertile status of their women partner. The conclusion of these findings is that the WHO recommendation is not helpful for personal predictions of male fertility in today clinical practice.

In last period the several new tests were introduced to male fertile diagnostic procedures. Some of them could be interesting and helpful in male fertility assessing as well in natural conception and ART. During the lecture MSOME as well as sperm DNA fragmentation (depending of laboratory methods) and HBA and last but not least the significance of AZF region micro deletions will be discussed in context of male individual fertility prediction. The author will propose the diagnostic algorithm believed helpful in male fertility prediction as well as in natural conception as in ART.

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