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Effects of Aging on Sperm Morphology and Fertility

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Infertility affects about 14% of the couples of childbearing age. Several studies show that in about 40% of couples infertility is due to changes in spermatogenesis. Infertility itself does not threaten the physical health of men, but it has a major impact on mental and social well-being of married couples. The aim of our study was to determine the infertility distribution among a group of men with fertility problems, age range when it is observed, the associated morphological defects in comparison to the WHO criteria and possible reasons for infertility. The study examines the extent of infertility in age groups and morphological characteristics of semen analysis. The results obtained clearly reflect the global trend of harmful factors affecting spermatogenesis associated with lower sperm quantitative and qualitative indicators in human males.

Key words: infertility men, semen analysis, sperm morphology, reproduction.