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Stability of basic semen measures and abnormal morphology within individuals

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Semen from 15 healthy volunteers was assessed for basic semen measures every 2 weeks over a 6-month period to determine the relative stability of these factors. The parameters were: sperm count, semen volume, sperm motility, and normal morphology, along with the type of abnormal morphologic forms. Basic semen measures were generally more stable than the morphologic forms. Using three samples, seven semen factors (sperm count, normal morphology, semen volume, sperm motility, microcephaly, tapering and round tail) were found to be stable and contributed to the identification of the fifteen individuals with a classification accuracy of 75.0%. While individuals do have characteristic patterns of spermatogenesis, the biologic basis for these findings is as yet undetermined.

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