

Semen Analysis Interpretations and Recommendations for Referral

Early Analysis and Intervention Can Improve Male Fertility

A semen analysis provides a basic evaluation of the male partner's fertility potential. Up to 50% of couples presenting with infertility have a male factor affecting their chances of conceiving.

The most commonly accepted normal values for a semen analysis are from the World Health Organization's (WHO) latest (2010) update. These values help physicians determine the best recommendation for next steps when infertility is suspected.

EARLY ANALYSIS AND INTERVENTION

Appropriate urologic consultation and treatment can often identify modifiable factors to improve male fertility potential. Improvements in semen parameters, however, can take up to 6 months to come around. This lag between intervention and improvement underscores the importance of performing a semen analysis early in the course of an infertility work-up particularly when the female partner is over 35.

WHAT THE RESULT TELLS US

NEXT STEPS AND REFERRAL RECOMMENDATIONS

VOLUME

Normal ≥ 1.5 to 5 mL
A lower semen volume can deliver fewer sperm to the cervix whereas higher volumes can dilute sperm concentration.

If ≤ 1.5 mL, consider incomplete collection and verify with a repeat semen analysis.

CONCENTRATION

Normal ≥ 15 million sperm/mL
A low concentration implies natural conception will likely be difficult. Assisted reproduction or male factor evaluation may be needed.

If concentration is low, repeat analysis or refer to SGF for further urologic evaluation.

MOTILITY

Normal $\geq 40\%$ motile
Higher numbers of forwardly progressive motile sperm suggest the sperm will be able to swim through the reproductive tract to reach the egg.

If sperm motility is abnormal, repeat analysis (consider on-site collection) or refer to SGF for further evaluation.

MORPHOLOGY

Normal $\geq 4\%$ normal forms
Abnormal sperm morphology may affect the sperm's ability to bind with and fertilize an egg.

If the percent of normally shaped sperm is abnormally low, repeat analysis or refer to SGF for further evaluation and consultation.

VISCOSITY

Normal = Low to Moderate
Higher viscosity can hinder the ability for the sperm to travel to reach the egg.

If the viscosity is severe, refer to SGF for further evaluation, consultation, and treatment.

Shady Grove Fertility Welcomes Second Reproductive Urologist to Clinical Team

With male factor infertility accounting for 40 to 50 percent of all infertility cases, there has become an increasing demand for expanded male fertility services. The addition of a second in-house board certified reproductive urologist in SGF's Baltimore metro region will provide patients with easier, more convenient access to a suite of male infertility services from a highly regarded urologist and male fertility specialist.

"I am thrilled to join Shady Grove Fertility and look forward to making male infertility services more accessible for the surrounding Baltimore metro community. Our expanded services allow us to treat both partners simultaneously, which enhances the patient experience by helping to make the fertility journey as comprehensive and individualized as possible" says Dr. Tanrikut.

[LEARN MORE ABOUT SEMEN ANALYSIS TESTING & RESULTS ►](#)



CORI TANRIKUT, M.D.
BOARD CERTIFIED UROLOGIST



PAUL R. SHIN, M.D.
BOARD CERTIFIED UROLOGIST

1.888.348.5599
Refer Your Patients with Confidence
SHADY GROVE FERTILITY