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Cover: *Left: Total number of sperm per ejaculate (TSperm) is influenced by the rate of sperm production by the testes, rate of sperm accumulation in the excurrent ducts, storage capacity of the excurrent ducts, and abstinence interval (graphic), as well as sexual arousal and masturbation versus intercourse. Right: Total number of sperm per ejaculate per hour of abstinence (TSpermlh) can provide a meaningful estimate of the rate of sperm production provided that abstinence interval is 42–60 hours. Then, it provides meaningful information on illness versus non-illness of the testes. Abstinence intervals ≤36 or >64 hours can result in misleading values for TSpermlh. In this issue, 3 articles from Dr Rupert P. Amann teach about these factors and why seminal volume and number of sperm per milliliter of semen cannot accurately reflect testes function. See Amann on pp. 623 and 626 and Amann and Chapman on p. 642.*

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