

# Antibiotics supplemented culture media

Sir,

We would like to discuss on the previous report on “antibiotics supplemented culture media.<sup>[1]</sup> (Dissanayake *et al.*, “Antibiotics supplemented culture media can eliminate nonspecific bacteria from human semen during sperm preparation for intrauterine insemination. *J Hum Reprod Sci* 2014;7:58-62.)” Dissanayake *et al.* noted that “penicillin streptomycin combination could eliminate nonspecific bacteria from semen samples during sperm processing in this population<sup>[1]</sup>” and also noted “the types of antibiotics and dosage used did not seem to have any harmful effects on human sperm.<sup>[1]</sup>” In fact, the antibiotic is widely used in sperm preparation. However, the effect of sperm can be varied due to the method of specimen preparation.<sup>[2]</sup> This should be further assessed adding to the present protocol by Dissanayake *et al.*<sup>[1]</sup> For the effect of antibiotic of sperm, although many reports including to the present report show no toxicity of penicillin and streptomycin on sperm, it is well-accepted that penicillin can result in the problem in male fertility.<sup>[3]</sup> In addition, it is evidenced that streptomycin can result in abnormal sperm head morphology.<sup>[4]</sup> Therefore, long-term assessment of antibiotic effect is required.

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