

## Seminal gold and infertility

Sir,

I read a recent publication by Jain *et al.* on seminal gold content with great interest.<sup>[1]</sup> Jain *et al.* concluded that “the hypothesis made for the presence of gold in sperm might be true”<sup>[1]</sup> and

raised a question on the effect of seminal gold on infertility. I would like to share the idea on this topic. In a recent publication on an *in vitro* study by Wiwanitkit *et al.*, it was concluded that “spermatotoxicity of the gold nanoparticle can be detected.”<sup>[2]</sup>

In that experimental study, mixing of gold nanoparticle solution with semen led to decreased motility of spermatozoa.<sup>[2]</sup> Also, the destroyed and degenerated spermatozoa could be observed as an important result, indicating the spermatotoxic effect of gold.<sup>[2]</sup> Hence, if gold in the treatment regimen is absorbed and can be passed into the semen, the effect of gold on spermatozoa can be expected. The proved existence of gold in semen might imply the possible chance of development of spermatotoxicity. It might be a requirement for the reassessment of the safety of gold composition in Ayurvedic preparations.

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## REFERENCES

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