

# CSF White Blood Cell Count in Diagnosis of Neurosyphilis

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## Keywords

Cerebrospinal fluid · Diagnosis · Neurosyphilis · White blood cell count

I am very grateful to Dr. Frater for his views; his analysis and discussion are very powerful additions to the paper. The cerebrospinal fluid white blood cell elevation is a very important indicator in the diagnosis of neurosyphilis and is included in the diagnostic criteria in the guidelines or consensus in regions [1–4]. His views on the preanalytical factors of cerebrospinal fluid leukocyte data are very instructive. I strongly agree with the initiative to introduce cell counting method in detail in research, as well as measures to make laboratory results more accurate.

## References

- 1 Janier M, Unemo M, Dupin N, Tiplica GS, Potočnik M, Patel R. 2020 European guideline on the management of syphilis. *J Eur Acad Dermatol Venereol*. 2021 Mar;35(3):574–88.
- 2 Workowski KA, Bachmann LH, Chan PA, Johnston CM, Muzny CA, Park I, et al. Sexually transmitted infections treatment guidelines, 2021. *MMWR Recomm Rep*. 2021 Jul 23; 70(4):1–187.
- 3 Mehta N, Bhari N, Gupta S. Asian guidelines for syphilis. *J Infect Chemother*. 2022 Aug; 28(8):1084–91.
- 4 National Center for STD Control; Chinese Center for Disease Control and Prevention; Venereology Group; Chinese Society of Dermatology; Subcommittee on Venereology; China Dermatologist Association. Guidelines for diagnosis and treatment of syphilis, gonorrhoea and genital *Chlamydia trachomatis* infection (2020). *Chin J Dermatol*. 2020;53(3): 168–79.

## Conflict of Interest Statement

The author declares there are no competing interests.

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## Author Contributions

Duyu Ding drafted the manuscript.