

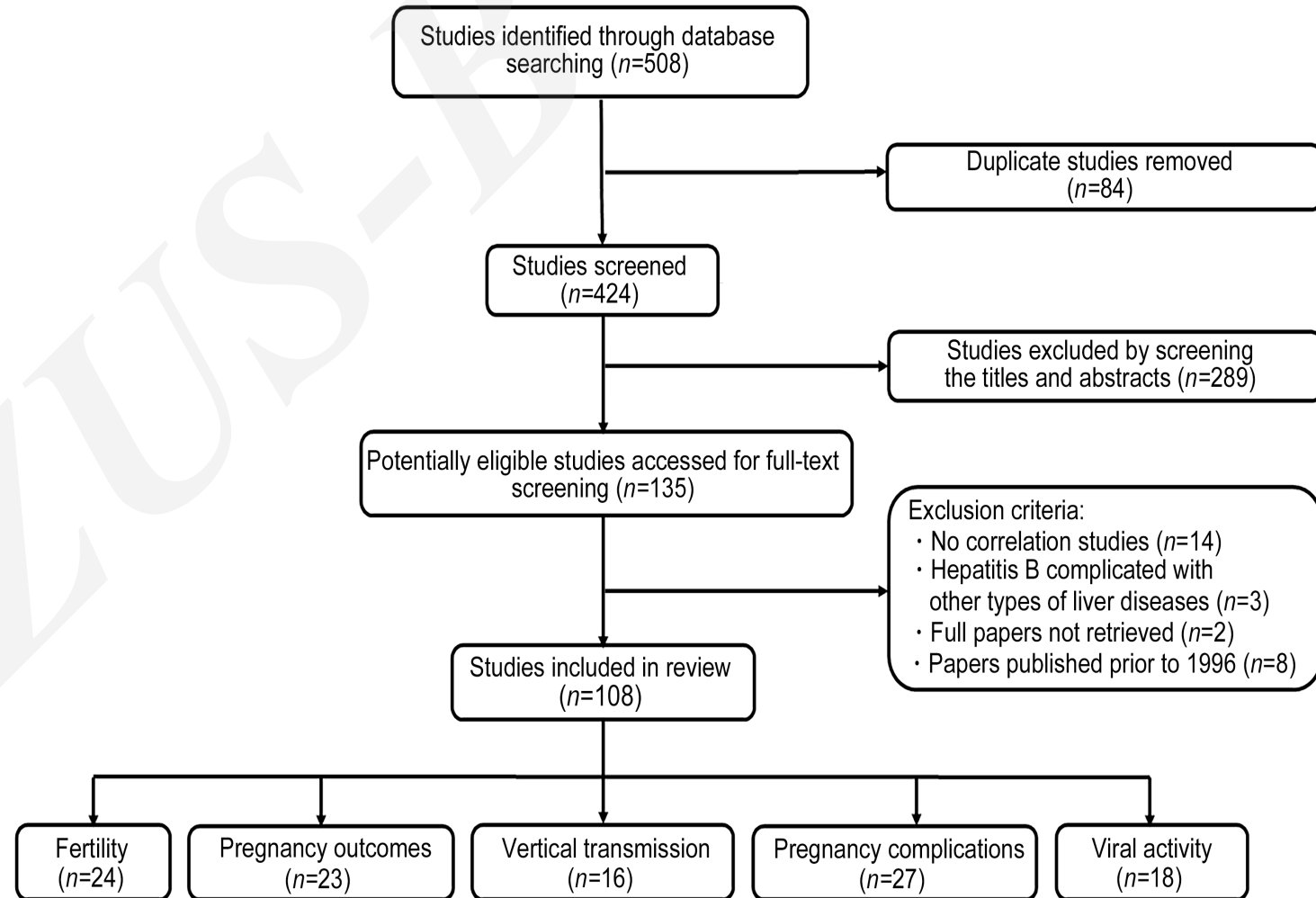
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Hepatitis B virus infection, infertility, and assisted reproduction

Key words: Assisted reproductive technology (ART); Hepatitis B virus (HBV); Immunosuppressive agent; Pregnancy

Innovation and flow chat

- Provided a comprehensive review of the effect of HBV infection on fertility
- Discussed its effects on pregnancy outcomes, pregnancy complications, vertical transmission, and viral activity during assisted reproduction treatment.



Research summary

- HBV infection negatively affected fertility in both males and females.
- HBV infection may increase the risk of pregnancy complications in couples undergoing assisted reproduction treatment.
- ART does not increase the risk of vertical transmission of HBV.
- With the development of ART, the risk of HBV reactivation (HBVr) is increasing due to the wide application of immunosuppressive therapy.