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Title: $\gamma\delta$ T cells are associated with inflammation and immunopathogenesis of leprosy reactions

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Short Title: Role of $\gamma\delta$ T cells in leprosy reactions.

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Highlights

- Gamma delta T cells associated with inflammation in leprosy reactions.
- These cells are mainly involved in the production of IFN- γ & IL-17 in the circulation.
- CD4⁺TCR $\gamma\delta$ ⁺ FOXP3⁺ T cells also secrete IFN- γ & IL-17 in both leprosy reactions.
- Low TGF- β production in reactions is associated with phosphorylation of STAT3 and STAT5.

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