

## عنوان مقاله:

Diphtheria Toxin Repressor (dtxR) Gene-Based Genetic Diversity of *Corynebacterium diphtheriae* Isolated in Jakarta, Indonesia, ۲۰۱۸-۲۰۱۹

## محل انتشار:

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## خلاصه مقاله:

Background and Aim: In Indonesia, diphtheria cases caused by *Corynebacterium diphtheriae* are still occurring. One of the causes is probably the diphtheria toxin repressor (dtxR) gene, which influences toxin expression. In this study, the gene was characterized to determine the mutations that affect the DtxR protein. Materials and Methods: The dtxR genes of ۱۰ *C. diphtheriae* strains isolated in Jakarta were amplified by conventional PCR. The PCR products were directed to DNA sequencing by using overlapping primers. Results and Conclusion: No mutations showed amino acid .changes. We propose that the DtxR protein is conserved among bacterial strains isolated from Jakarta

## کلمات کلیدی:

*Corynebacterium diphtheriae*, dtxR, Mutation, Phylogeny tree, *Corynebacterium diphtheriae*, dtxR  
درخت فیلوژنی

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