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<u>TOP</u> > <u>Available Issues</u> > <u>Table of Contents</u> > Abstract

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[<u>PDF (483K)</u>] []

Significance of Molecular Diagnosis using Histopath Specimens in Cestode Zoonoses

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Abstract: Cestode zoonosis cases confirmed by PCR-based mito were investigated. The cestodiosis included taeniasis, cysticercosis, cystic echinococcosis, sparganosis mansoni, diphyllobothriasis and samples were extracted from the ethanol-fixed, formalin-fixed, paral HE-stained, and the PAS- or acetocarmine-stained samples submit For PCR-based analysis, cytochrome *c* oxidase subunit 1 and/or cy amplified by multiplex PCR or conventional PCR coupled with DN. DNA molecules were degraded in most formalin-fixed samples, sm were successfully amplified and the species causing cestodiosis cousequence analysis of the amplicons. This review describes cestode z mitochondrial DNA analysis was useful not only for routine and retu also for genetic polymorphism analysis and molecular identification with pathogenicity. The significance of molecular diagnosis using his for cestode zoonoses is also discussed.

Key words: Cestode zoonoses, mitochondrial DNA analysis, hist



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