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### Implications of 2D Ultrasound Findings of the Scrotum in Asymptomatic Microfilaria Carriers of *Wuchereria bancrofti*

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**Abstract:** The incubation period of lymphatic filarial disease is long. Many of individuals infected with *W. bancrofti* are asymptomatic. In India, the most common presenting clinical manifestation is hydrocele of tunica vaginalis testis. Detection of the hydrocele in the community is considered to be a reliable marker for lymphatic filariasis delimitation. However, detection of early clinical manifestations is a challenge for clinicians. In the present study, the application of simple ultrasound procedure was explored as a way to determine the structural changes in the scrotum among male Microfilaria (Mf) carriers. Although there were

differences in the size of the various scrotal structures between asymptomatic and endemic normal subjects, sub-clinical changes in the scrotal structure were observed in 83.3% (10/12) of asymptomatic Mf carriers. In communication, the therapeutic implications of the above findings are discussed.

**Key words:** [Night blood survey](#), [W.bancrofti](#), [filariasis](#), [hydrocele](#), [dance sign](#)

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