

Determination of Thorium and Other Select Trace Elements in Human Tissues by Neutron Activation Analysis

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Lyengar¹ pointed out the significance of multidisciplinary approaches to biological trace elemental data (until the early 1970's). Problems identified included the analysis of spurious samples (e.g. hair) based on their availability with no consideration of the biological basis for the investigations; the uncontrolled collection of biological samples by investigators unable to assess the biological integrity of the samples and inadequate QA/QC. A significant inadequacy is that many trace elemental analysis studies have been performed on biopsy or samples that may not be representative of the whole organ, or that distribution data have been derived from pooled analyses of organs from many individuals.

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