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Laboratory evaluation of metals

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The understanding of the physiological and toxicological aspects of metals is having a big increased interest. However, because of the technical limitations evaluation was very difficult and the results very encouraging. So in this lecture the author intends to focus on the metals that can be measured reliably and accurately by clinical laboratory, in a critical analysis of the aspects of collection, transportation, analysis and release of the results, which provide the professional that requests these determinations a set of data to better understanding of clinical cases which the dosage of metal is required. Issues to be approached: Tubes and collection techniques, analysis techniques (emission spectrometry and atomic absorption) and clinicopathological correlation of results.

Biography

Alvaro Pulchinelli, Junior physician is having his graduation at the University of São Paulo - USP, and medical residence in Internal Medicine and Clinical Pathology/ Laboratory Medicine, at Federal University of São Paulo. He has done his PhD in Science at the Federal University of São Paulo. He is currently working as a Teacher in the same university, where he works as a Researcher in the Laboratory of Molecular Biology in the Department of Gynecology, Federal University of São Paulo.

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