
ANALYZING IMAGES OBTAINED BY MEV IN ALLOY Ti-6Al-7Nb TREATED BY PLASMA

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Focusing in materials considered potent in terms of biocompatibility, such as alloy Ti-6Al-7Nb, the analysis by MEV (Scanning Electron Microscope) becomes the first and fundamental requisite in the microstructural assessment and chemical of this material, because the quantitative and qualitative informations taken by MEV are the direction of the research for their safety in a given presented. Hence, this tutorial aims main, the analyze and interpretation of the images taken by MEV in the alloy Ti-6Al-7Nb which were subjected to a technique of ion nitriding. The techniques are: nitriding with cathodic cage, cathode planar and hollow cathode with different intervals of the time and temperature. Evidencing the better information contained in the images. Through an image can be concluded that nitridation treatment is a technique of surface modification extremely useful when it is desired to change the surface of materials with the adding of new compounds on the surface of alloy Ti-6Al-7Nb which causes changes in their surface properties may ameliorate its application as a biomaterial.