

The Conservation of the Botanical Collar of Tutankhamun

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Abstract : This paper discusses the conservation procedures of the botanical collar of King Tutankhamun. It dates back to the new Kingdom. This collar was kept in a box but found in bad condition. Many parts of the collar were separated. The collar suffered from dryness and dust, so it needed to be cleaned mechanically and recollected together. Japanese paper was used to collect the separated parts of the collar on a linen thread. The linen thread was dyed with organic dye to match the color of the plant material. The guidance in collecting the different parts of the plant collar is the original photograph captured at the discovery of the tomb. Also, the optical microscope was used in collecting fractured parts. The weak parts of the collar were treated with a suitable consolidation material. Klucel G dissolved in Ethyl Alcohol 0.5% was used in the treatment and gave convenient results. Some investigations were executed in order to identify the plant types used in making the botanical collar. Scanning Electron microscope and optical microscope were used in plant identification.

Keywords : sustainable, consolidation, plant, investigation

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