



**Melanoma**



**Melanoma and papilomas**



**Skin cancer**

The UVB irradiation induced important damages in skin physiology. An intense photoaging process with a possible debut of skin cancer appears. Correlations between skin lesions, tissue histology and Raman early diagnostic is the major aim. Early intervention in skin evaluation could be an important solution for treatment application. In vivo models offer a total image about the skin pathology and evolution so their application is optimal for diagnostics and treatment test. External area of the skin suffered serious damages and they are evident in histological evaluation. The UVB damage penetrate in the skin to dermal layer to produce injury. Therefore, the laser depth penetration for tissue Raman investigation is essential. Unfortunately, the malignancy could be observed only in the total organism therefore, in vivo model is the only solution for experimental investigation.