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(54) Title: METHODS FOR IDENTIFYING SKIN CANCER, ADMINISTERING BIOPSIES AND TREATING SKIN CANCER

(57) Abstract: A method of determining whether a lesion in a subject is melanoma or melanocytic nevus, the method comprising: receiving a genetic sample from the lesion; detecting in the sample the presence of gene alterations in each of the following genes: noncoding mutations in *pTERT, RPL13A* and *SMUG1*, wherein the presence of gene alterations in one or more genes indicates that the individual has melanoma.