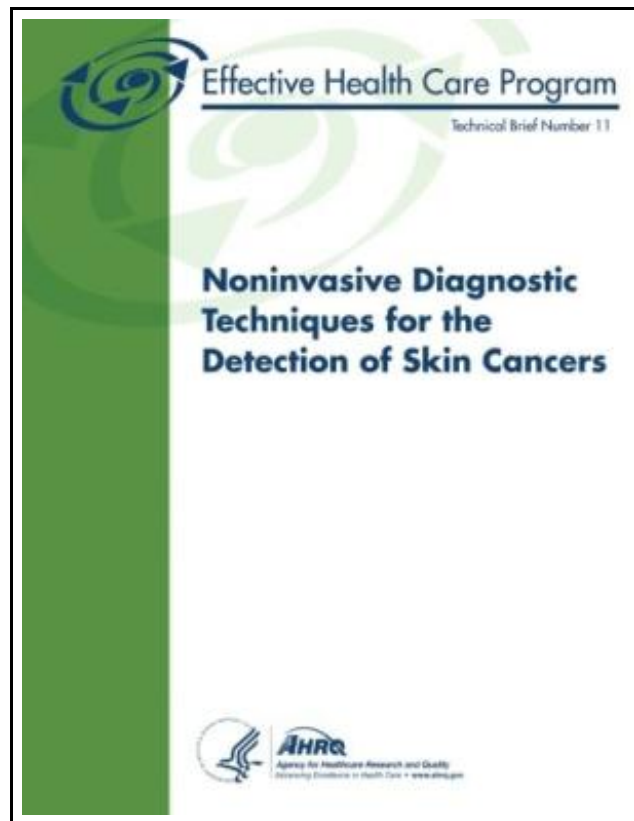


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CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 68 pages. Dimensions: 11.0in. x 8.5in. x 0.2in. Cancers of the skin are the most common forms of cancer in men and women, and account for nearly half of all malignancies. In 2009, more than 1 million cases were expected in the United States. Basal cell carcinoma (BCC) and squamous cell carcinoma (SCC), two types of nonmelanomatous lesions associated with aging and sun exposure, are responsible for more than 800,000 cases per year. Recent studies have also linked nonmelanoma skin cancer (NMSC) to prior cancer therapy, especially radiation therapy. While NMSC is rarely lethal, these lesions are associated with other malignancies (including hematologic and respiratory tract cancers). In contrast, melanoma accounts for approximately 4 percent of all skin cancer cases, but causes the majority of skin cancer deaths. One study found that melanoma incidence rates had doubled in all socioeconomic groups over a 10-year period. Another study found that melanoma incidence rates have increased by 3 percent per year in white Hispanic and white non-Hispanic populations, and both white Hispanic and Black populations had more advanced disease at presentation. Melanoma is associated with significant morbidity, and late stage melanoma with significant mortality due to the likelihood of metastatic spread. Therefore, timely diagnosis and treatment are critical to reducing rates of morbidity and mortality of all skin cancers. However, suboptimal diagnostic accuracy of current methods of lesion assessment (such as visual inspection) may lead to misleading false positives or conversely missed diagnoses, and the existing protocol of excisional biopsy of suspected lesions is an invasive, costly, and time-intensive procedure. Newer noninvasive screening and diagnostic modalities are available that may provide more precise imaging of suspected lesions and more accurate detection, thereby improving in vivo diagnosis. These...



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