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Vietnam Minimally Invasive Biopsy Techniques Market Assessment, By Product Offered [Tests, Kits & Consumables, Instruments], By Technique [Liquid Biopsy, Optical Biopsy, Brush Biopsy, Pigmented Lesion Assays, Others], By Circulating Biomarker [Circulating Tumor Cells, Cell Free DNA, Circulating Tumor DNA, Extracellular Vesicles, Others], By Application [Clinical, Therapeutic], By End-user [Hospitals & Clinics, Academic & Research Institutions, Ambulatory Care Centers], By Region, Opportunities and Forecast, 2016-2030F

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Abstracts

Vietnam minimally invasive biopsy techniques market size was valued at USD 46 million in 2022, expected to reach USD 70.6 million in 2030, with a CAGR of 5.5% for the forecast period between 2023 and 2030F. Vietnam's minimally invasive biopsy technique refers to using minimally invasive procedures to obtain tissue samples for diagnostic purposes. These techniques involve using specialized medical equipment and instruments to extract small tissue samples from the body, which medical professionals then analyze to diagnose diseases or conditions. In recent years, the demand for minimally invasive biopsy techniques has increased in Vietnam due to their benefits over traditional biopsy methods. These benefits include faster recovery times, reduced risk of complications, and less pain and discomfort to the patients.

The most common minimally invasive biopsy techniques used in Vietnam include ultrasound-guided biopsy, CT-guided biopsy, and endoscopic biopsy. These techniques

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allow doctors to obtain tissue samples from various organs and tissues, including the liver, lung, prostate, and breast. The market for minimally invasive biopsy techniques in Vietnam is expected to grow in the coming years due to technological advancements, increasing awareness among patients, and the rising prevalence of diseases such as cancer. However, challenges such as inflated costs and a shortage of trained medical professionals may hinder the market growth in Vietnam. For example, in 2023, Gene Solutions in Vietnam introduced an innovative liquid biopsy assay named SPOT-MAS, which employs a multimodal approach to identify the presence of the top five prevalent cancer types: liver, breast, colorectal, gastric, and lung cancers.

Rising Awareness Amongst the Patients

The rising awareness among patients about the benefits of minimally invasive procedures is a significant driver of the Vietnam minimally invasive biopsy techniques market. Patients are increasingly seeking procedures that offer less pain and discomfort, faster recovery times, and reduced risk of complications. Minimally invasive biopsy techniques such as ultrasound-guided, CT-guided, and endoscopic biopsy offer these benefits over traditional biopsy methods, often requiring larger incisions and longer recovery times. In addition, patients are becoming more educated about their healthcare options through the internet and social media, providing them with more information about minimally invasive procedures. In the forecast years, this increased awareness will continue driving the demand for minimally invasive biopsy techniques in Vietnam.

Advancements in Technology

Advancements in technology play a substantial role in driving the growth of the Vietnam minimally invasive biopsy techniques market. These advancements improve the accuracy and effectiveness of biopsy procedures while reducing the risk of patient complications and discomfort. One example is the development of improved imaging technologies, such as high-resolution ultrasound and CT scanners, allowing doctors to visualize the targeted tissue better and better guide the biopsy needle. In addition, advances in diagnostic tools, such as molecular testing and genomic analysis, have improved the accuracy of biopsy results, leading to more targeted and personalized treatment options for patients.

Furthermore, the use of robotic-assisted biopsy procedures is emerging as a promising technology in the minimally invasive biopsy techniques market, enabling doctors to perform highly accurate and minimally invasive procedures. These technological

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advancements are expected to continue driving the growth and innovation in the Vietnam minimally invasive biopsy techniques market. For instance, in 2022, a research paper highlighted that serum pepsinogen II levels and the pepsinogen I/II ratio demonstrated dependable diagnostic significance when identifying moderate and severe atrophic gastritis within the Vietnamese population. The study emphasized that these biomarkers could effectively screen individuals for these specific gastritis conditions.

Increasing Prevalence of Chronic Diseases

The escalating chronic diseases, including cancer, cardiovascular ailments, and respiratory disorders, have created a compelling need for more precise and less intrusive diagnostic methodologies. Among these techniques, minimally invasive biopsies have gained prominence due to their capacity to provide accurate diagnostic insights while minimizing patient discomfort and recovery times. As chronic diseases become more prevalent, healthcare providers and patients increasingly seek approaches that enable timely and accurate diagnoses, allowing for prompt intervention and treatment planning.

Consequently, the demand for minimally invasive biopsy procedures is on the rise, driven by the imperative to effectively address the diagnostic challenges posed by the growing burden of chronic diseases, ultimately leading to improved patient care and outcomes. For instance, an expert exclaimed, there are approximately 354,000 individuals in Vietnam grappling with cancer creating a stark contrast to the figures three decades ago. Moreover, this number is anticipated to surge in the years ahead. The notable surge in cancer prevalence is a key impetus behind the surge in interest for minimally invasive biopsy approaches. These advanced techniques offer reduced invasiveness and swifter recovery periods than conventional surgical biopsy methods.

Impact of COVID-19

The pandemic significantly impacted the Vietnam minimally invasive biopsy techniques market. The country has experienced multiple waves of the virus, resulting in various lockdowns and restrictions on medical procedures, including biopsy techniques. Many patients have hesitated to seek medical care due to the risk of infection. It has led to a decline in demand for minimally invasive biopsy procedures in Vietnam and a reduction in the number of procedures performed. Additionally, disruptions in the supply chain and global trade have led to shortages of medical equipment and supplies, causing delays in procedure scheduling and increasing costs. However, as the country's vaccination

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campaign continues and the situation improves, the demand for minimally invasive biopsy techniques is expected to rebound.

Key Player Landscape and Outlook

The Vietnam minimally invasive biopsy techniques market is still nascent and dominated by a few key players. Companies are developing new and innovative products and technologies to improve the accuracy and efficiency of minimally invasive biopsy procedures. In addition, they are focusing on expanding their market reach through strategic partnerships, collaborations, and acquisitions. Despite the challenges posed by the COVID-19 pandemic, the outlook for the Vietnam minimally invasive biopsy techniques market remains positive, with growing demand for minimally invasive procedures and increasing investments in healthcare infrastructure, the growth is expected to drive in the coming years.

For instance, in 2023, evaluating the precision of the International Academy of Cytology Yokohama System in interpreting cytological results from breast fine needle aspiration biopsies was conducted at an oncology center in Vietnam. The study aimed to determine the system's effectiveness in diagnosing breast conditions accurately within the Vietnamese context.

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*Companies mentioned above DO NOT hold any order as per market share and can be changed as per information available during research work

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