

To whom it may concern,

I am writing to provide feedback regarding the Stress HyperQ system which is being routinely operated at my clinic for the last 3 years.

Originality of the concept of High Frequency Analysis:

Classic ECG monitoring and stress tests have been used for decades as an initial diagnostic tool in cardiology. Although a significant body of clinical knowledge has been amassed since the inception of stress ECG testing, until now, no significant changes regarding the type of information acquired have been clinically implemented. The analysis of the high frequency components from the ECG signal, pioneered by BSP, constitutes a breakthrough in this respect.

Health significance:

A non invasive tool for the diagnosis of ischemic heart disease bears immense importance for the reduction of morbidity and mortality from this disease. Currently, if the standard stress test is inconclusive the patient has to undergo nuclear imaging or echocardiographic procedures. These tests are costly, entail expensive equipment, and often involve radioactive or invasive procedures. There is thus a great need for a diagnostic modality, such as the HyperQ system, which improves the accuracy of the first line diagnostic tool for ischemic heart disease.

Hands on experience with the HyperQ system:

I was the principal investigator in a multi-center clinical study of 1205 patients utilizing the HyperQ system in the community cardiology setting in Maccabi Health Services. The results were impressive: the level of accuracy was comparable to that of cardiac imaging and significantly superior to that of the standard stress ECG test, especially in the borderline cases. I enjoy using the HyperQ system in my own clinic.

I can attest to the fact that the HyperQ system is one of the most impressive and intuitive systems I have had the pleasure of working with. I successfully mastered the principles of the system within just a few hours. The versatility of the hybrid system including enhanced ECG analysis features, combined with the HyperQ analysis, is complemented by full connectivity capabilities (interfacing with echo system, automatic blood pressure, etc).

Conclusions and recommendations:

The novel HyperQ system improves the diagnostic capability for the detection of ischemic heart disease and enables, for the first time, diagnosis of patients in the setting of the physician's office, with a level of accuracy thus far available only through the use of significantly more costly and invasive equipment. In summary, as a cardiologist experienced in the performance of standard stress tests and cardiac imaging stress tests I believe that the HyperQ system revolutionizes the field of non invasive, inexpensive diagnosis of ischemic heart disease.

Sincerely,

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