ALOKA Case Study "See the unseen"

'Seeing the unseen', Prof. Dr. M. A. García Fernández, at the European Association of Echocardiography, talks about his use of ALOKA

Q) How long have you been using / buying ALOKA equipment for?

I have been working with ALOKA systems for the last two years.

Q) Why did you buy an ALPHA 6/7?

During the last year, I have worked in my laboratory with many different equipment providers. However, I decided to purchase the ALOKA Alpha 6 and Alpha 7 products, as I wanted to have machines that could incorporate the best advances for the cardiac and vascular studies, in an easy to use way.

Q) What is your speciality?

Cardiology for both paediatric and adults patients.

Q) What does this product allow you to do?

The Alpha 6 and Alpha 7 machines are perfect for any cardiac and vascular studies in adult and pediatric patients.

A particular important ALOKA function, which incorporates the most modern methodologies and analysis techniques available in cardiac studies is Tissue Doppler Imaging (TDI) – a mode used to analyse the function of the left ventricle with Doppler signals.

ALOKA also pioneered Vector Flow Mapping, which is without any doubt one of the most exciting breakthroughs of recent years – providing greater detail, it allows me to view both blood velocity and vortex, without the need for an invasive contrast medium

What's more, by using ALOKA's e-flow technology – the most advanced analysis available on the market - I can also analyse elasticity in peripheral vessels, ventricular-arterial interaction, and assess the true impact to the heart.

Q) How do these features translate to benefits for you and your staff / what benefits are there for the patients?

ALOKA equipment incorporates very complex technologies and functionality yet is simple to use and very user-friendly. This means that studies can be completed with minimal hassle and greatly improves our workflow.

Put simply, the ALOKA product works intuitively, which means all our echocardiographic and vascular studies can be conducted more quickly than in the past. For example, despite the complex parameters required, ventricular asynchrony and the arterial stiffness can be analysed quickly and with minimal calibration to the machine itself.

Find out more: www.aloka-europe.com

Q) Could you use a competitor product and maintain the same standard of work

In echocardiography market, there are lot of companies with similar work standards, but with a less competitive price. However, for the evaluation of the vascular function, and I cannot emphasise this enough, ALOKA is by far the best product, with no comparable competitors.

Q) What features are relevant to your work and why (please be as detailed as you need to be)

Currently, we are analysing factors that can be used us predictors of coronary heart disease in high-risk populations. One essential aspect of this is to appraise arterial stiffness, as this an independent predictor for cardiovascular events in patients with hypertension, diabetes mellitus, end-stage renal disease and in general the population.

This new parameters of the arterial wall study, calibrated by ALOKA Systems, are without doubt an important advance in the evaluation of this patients. This method, derived from pressure and blood flow velocity, provides quantitative information about the heart interacting with the arterial system.

Q) Do you have any good shots of the product in use or screen shots of the images it created – in an ideal world we would like to see a before and after shot, showing the difference the ALOKA unit makes?

Attached are some images of regional function capture using ALOKA software

Q) Why has ALOKA been around for 60 years

I started to work with ALOKA 30-years ago with the old mechanical scan. Since this time, ALOKA has been developing new initiatives and keeping on top of the ultrasound field. In my opinion, the success of ALOKA is based on three aspects: Complete Confidence in the brand; new tools in echo machines introduced only after intensive evaluation work; imaginative and clinically oriented research.excellent device.

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