



Steve Hardaker <viamed.steve.hardaker@gmail.com>

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## RE: Peripheral nerve stimulators

1 message

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**Rodney Grant (NHS TAYSIDE)** <grant.rodney@nhs.net>

15 July 2014 15:32

To: Steve Hardaker <steve.hardaker@viamed.co.uk>

Hi Steve

2 documents about to emerge within the year

the 1st is NAP5 project reporting on unexpected awareness which has a launch day in September. i believe this will likely refer to inadequate reversal and patient waking up with some ongoing paralysis, ie awareness at the end of the procedure. I have no clear evidence for this, we will see

Also the AAGBI is revising Standards of monitoring for anaesthesia and I cant say any more except that I am on this group and I refer you to my comments in my original email.

From a clinical point of view your monitor is reliable and affordable but it is unable to provide conclusive evidence of adequacy of reversal, this being a function of all such subjective 'twitchers'. it is an issue not with your device but with the category of such devices.

Watch this space is the bottom line

grant

PS steve I think it was you who helped me when we purchased 2 x devices for charity work that i do in africa.

Consultant Anaesthetist

Tel 01382 660111

Pager 4407

Ext 32175

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**From:** Steve Hardaker [[steve.hardaker@viamed.co.uk](mailto:steve.hardaker@viamed.co.uk)]

**Sent:** 15 July 2014 15:01

**To:** Rodney Grant (NHS TAYSIDE)

**Subject:** re: Peripheral nerve stimulators

Dear Grant,

Thank you for your enquiry and constructive comments.

Unfortunately, we do not currently manufacture or supply any nerve stimulators that quantify twitch response by the use of accelerometers. The Microstim DB3 is the latest variant of a time-honoured design that has been around since the mid 1980s, and as such, the instrument has settled down into a working design, with ongoing development being largely driven by the demands of the marketplace.

Other than fine-tuning the design and bringing it up-to-date with modern manufacturing techniques, we have not done anything towards substantially changing the way that the device operates or the method of measuring the twitch response as the market has not previously asked for it.

Your comments regarding the future of neuromuscular monitoring are interesting; it may well be time to look at moving the design forward as you suggested. Are you able to point me towards any reliable reference sources where we can research the progress in this area?

I will feed your comments and any supporting information into the product development framework and see if our technical people are willing to move forwards and develop the Microstim to meet the future needs of the market.

Thanks in advance and I look forward to hearing from you.  
Regards,  
Steve

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[Sent via Goldmine]

> Hello  
>  
> I have recieved a flyer about Viamed microstim DB3 supramaximal nerve  
> stimulators.  
>  
> We use these in my hospital.  
>  
> I have an interest in muscule relaxation and monitoring.  
>  
> These monitors are keenly priced.  
>  
> However I think the future in neuromuscular monitoring is the use of  
> objective monitors using techniques like accelerometry. Subjective  
> monitors like the microstim are better than no monitor use, but are well  
> documented as being inadequate at fully determining adequacy of reversal.  
>  
> Do viamed produce or market any such devices, ie ?  
>  
> If not any plans to do so?  
>  
> If not might I be so bold as to encourage an interest in this area.  
>  
> I am sure that developments in the next couple of years will push the use  
> of such devices.  
>  
> Regards  
> Grant Rodney  
>  
> Consultant Anaesthetist  
> Tel 01382 660111

> Pager 4407

> Ext 32175

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> \*\*\*\*\*

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