

‘Flow Chart of ODFS Set-up’ Please tell us what you think about it!

We recognise most clinicians reading this do not use FES everyday of their working lives and many use it infrequently. Feedback has indicated that sometimes this leads to a lack of confidence tackling problems. We felt that one way to help may be to produce a relatively straightforward flowchart. We hope this may act as a ‘crib sheet’ of the commonest problems associated with ODFS set up/use and some ideas for solving them. It is produced as a simple reminder and so cannot be completely comprehensive. The instruction manual and course documents remain the main information source. We have put it on the web site www.salisburyfes.com in PDF format so that it can be easily printed off and I would appreciate any feedback regarding omissions, additions or if it has indeed been helpful.

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ODFS set up flow chart

Subjective assessment as initial assessment form

Pacemaker - liaise with a cardiac technician
Epilepsy - monitor fit frequency to ensure stable
Pregnancy - not tested for safety

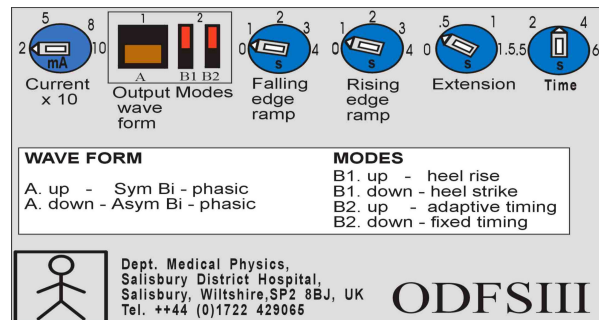


Fig. 1

Assess gait identifying main problems e.g.

- general alignment
- hip/knee instability
- ankle - tonal changes/clonus
- compensations e.g. hip hitching, circumduction or vaulting on supporting leg

Set up In sitting leg extended, try ODFS with standard internal set-up Fig. 1 and standard electrode position as shown Fig. 2. Gradually turn up output via pulse width dial.

Is there contraction of ant tib/evertors producing dorsiflexion with some eversion?

no

- alter current and output dial
- check electrode positions, electrode contact and battery
- too much eversion - alter fib head electrode > anteriorly
 - reverse polarity
 - change to biphasic
- not enough eversion - alter fib head electrode > posteriorly or > superiorly
- not enough dorsiflexion - adjust inactive red electrode
 - adjust active > anteriorly
 - reverse polarity
- increased calf tone, clonus, sensitivity - increase rising ramp, try blue electrodes, adjust electrode position, adjust intensity, change to biphasic or try period of stimulation with Microstim to get used to sensation.
- poor contraction - consider muscle fatigue as a cause - rest or try Microstim to increase muscle strength over time.

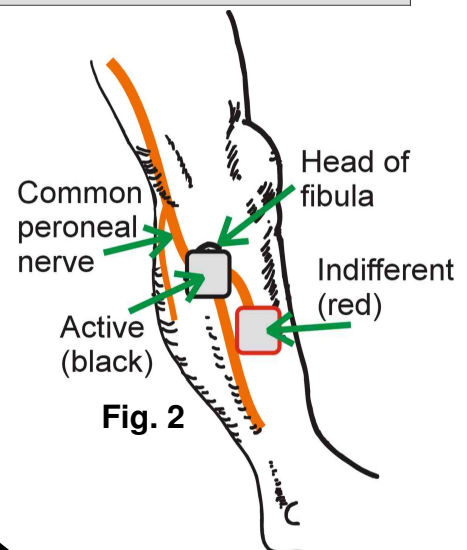
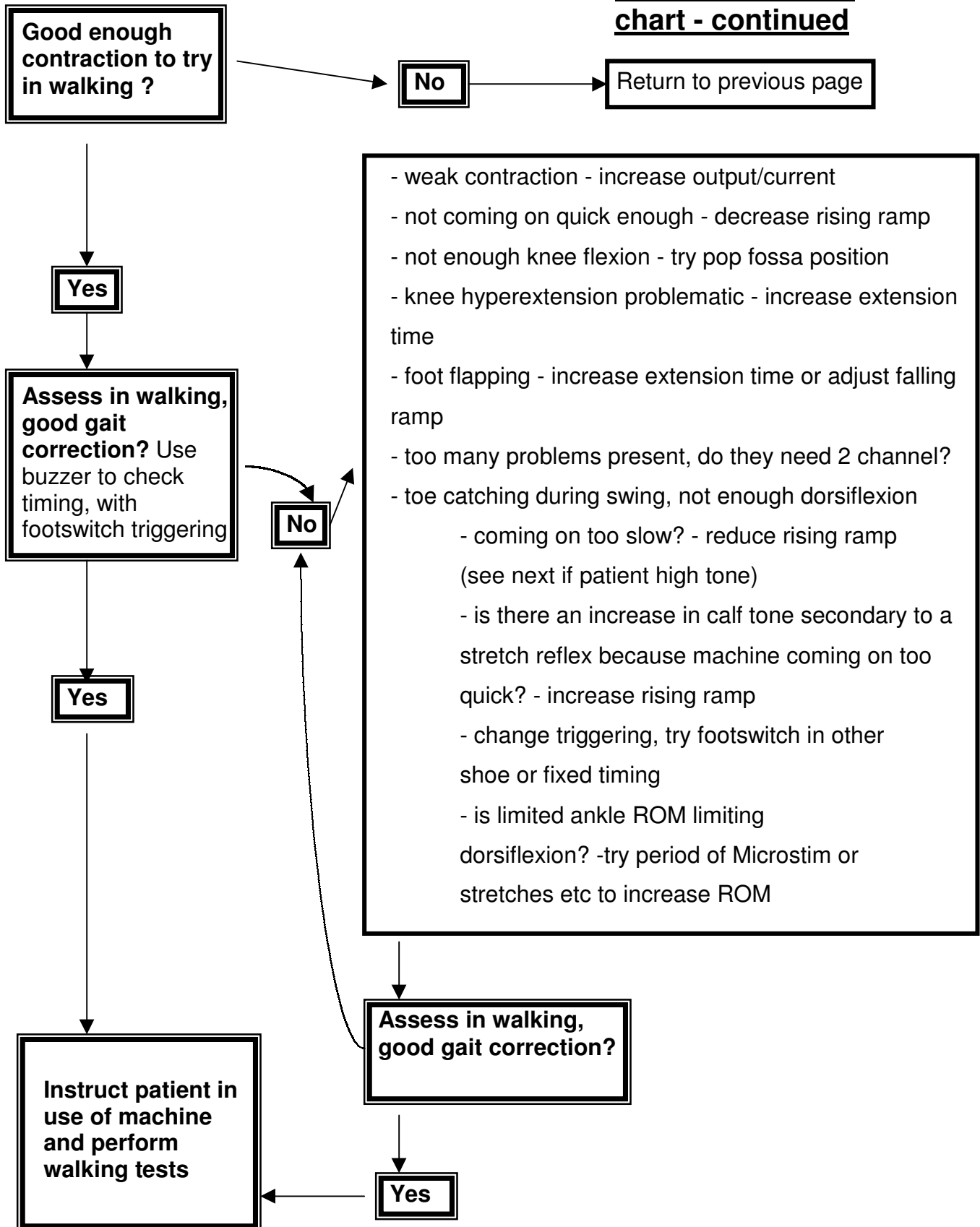


Fig. 2

yes

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ODFS set up flow chart - continued



Trouble shooting

Problems with positioning

- further education
- take a photo
- mark sites in pen
- are they using it often enough/daily? Or are they out of practice?
- are they appropriate for ODFS

Problems with foot switch disconnecting

- foot switch cover
- longer lead
- Tubigrip/Urileeve
- tuck a little slack lead into top of sock or Tubigrip

Problems with triggering

- test/replace footswitch and lead
- unreliable heel strike try triggering from opposite heel
- ensure good connections
- try fixed timing

Problems with variable output

- worn connections or electrodes
- replace worn leads
- replace flat battery?

Look forward to your feedback

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