This edition of the Electrotherapy Newsletter provides a reference summary for some key 2008 and 2009 publications (almost 720 of them) rather than the annotated reviews I have written in previous editions. There are a couple of reasons for this – firstly, I have a STACK of papers for review (picture of one pile - there are two others!), but do not have time to wade through them at the moment and secondly, I hope it might provide a quick and useful reference point for those of you wanting to work through some of the literature. Anyway, I thought that I would try it to see if it helps . . . . . . . let me know. I do not suggest for one minute that this is a COMPLETE reference list – indeed I have three times this number in my database BUT it represents what I think might me of most use to the widest audience. For those who persist in suggesting the electrotherapy and electro physical agents have a lack of published evidence, please reconsider!

**NEWS : WEBSITE**

I have done some more updates for the website (www.electrotherapy.org) and have also updated some of the handout (download) resources to reflect recent research and clinical changes. The FAQ (Frequently Asked Questions) deals with many of the regular queries I get, primarily related to contraindication issues – so please do have a look there and see if your queries are answered before e-mailing – I am happy to answer as many as I can, but there are still more queries a day coming through than I can possibly keep up with – so please bear with me.

**NEWS : ISEPA**

We are planning to hold a meeting of the International Society for Electro Physical Agents (ISEPA) in conjunction with the WCPT meeting in Amsterdam next year – watch both this space and the ISEPA web pages – currently hosted as a part of the www.electrotherapy.org website – for further details as they become available.

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All you need is to log your name and e-mail and new editions will sent to your e-mail about every 2-3 months. By all means share your copy around - or tell your friends to register themselves. Your e-mail and contact details WILL NOT be passed to anybody else.
NEWS : EMERGING AND NEW MODALITIES

There have been some interesting developments over the last year, with several emerging technologies, some of which are starting to move into the clinical domain. The modalities are not ‘new’ per se in that they employ existing energy forms, but they do represent novel applications and are worth watching out for. Amongst them are several variations of Radio Frequency (RF) energy – similar but distinct from short-wave therapies, some more innovative delivery systems for various Microcurrent Therapies and numerous variations on a theme using Vibration Therapy (whole body and also Local delivery). I will try and get some of the research related material in future newsletter and up onto the web pages as soon as I can. I am working with several companies in these fields – not in terms of ‘promoting’ their machines or equipment, but primarily in terms of research and development. As ever, watch this Newsletter for significant developments. Just in case you wonder when the reps come round to see you, I do not ‘endorse’ or ‘advocate’ specific machines or manufacturers ranges – though the story is often told differently!

Contents :

The reference lists in the subsequent sections are divided largely by the classic modalities, and under each, the reference materials are divided into 2008 and 2009 publications years. [Please don not ask me to send you copies of these papers – it would be a breach of copyright law].

Ultrasound Therapy [75]
Laser Therapy [139]
Shortwave and Pulsed Shortwave Therapies [21]
Electrical Stimulation Therapies
  TENS [57]
  Interferential Therapy [9]
  Other Electrical Stimulation Therapies [129]
Microcurrent Therapy [4]
Heat and Cold Therapy [48]
Bioelectromagnetics [33]
Magnetic Therapy [23]
Shockwave Therapy [35]
Vibration Therapy [77]
Tissue Repair [57]

Ultrasound Therapy

2008


Costa Alvarenga, E., et al. (2009). "Low-intensity pulsed ultrasound-dependent osteoblast proliferation occurs by via activation of the P2Y receptor: Role of the P2Y(1) receptor." Bone.


Laser Therapy
2008


Seen any interesting papers?
Is there a paper that you have written and ought to be reviewed here?
E mail and let me know electronews@electrotherapyonline.co.uk


2009


**Shortwave and Pulsed Shortwave Therapies**

**2008**


**2009**


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TENS

2008


2009


**Interferential Therapy**

**2008**


**2009**


Electrical Stimulation – General

2008


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2009


Microcurrent Therapy


Heat and Cold Therapy

2008

Heat


Cold


2009

Heat


**Cold**


**Bioelectromagnetics**

**2008**


2009


Magnetic Therapy

2008


2009


Wang, Z., et al. (2009). "Moderate strength (0.23-0.28 T) static magnetic fields (SMF) modulate signaling and differentiation in human embryonic cells." BMC Genomics 10: 356.

Shockwave Therapy

2008


2009


**Vibration Therapies 2008**


Tissue Repair

2008


2009


Miscellaneous and General Electrotherapy Issues

If that is not enough reference material to keep you going till the next issue, then you do not have enough to do! All of these are on my ‘to do’ pile, so I will continue to work my way through them in future editions.

In the meantime, if there are papers that you are aware of (or indeed, have written) please do let me know and I will do my best to get them included if I can.

With All Best Wishes for 2010

Regards

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