National Institute for Health and Care Excellence

IP810/2 Low-intensity pulsed ultrasound to promote healing of fresh fractures at low risk of non-healing

IPAC 10/05/18:

Com. no.	Consultee name and organisation	Sec. no.	Comments	Response Please respond to all comments
1	Consultee 1 NHS professional	**General**	I've being through all three sets of the documents and tend to agree with their findings. The only comment I would make is that the time to delayed union is not defined and the commissioners tend to use 9 months therefore we could potentially use LIPUS sooner than this, however in the longer document 9 months is stated. My data has never been published and is therefore anecdotal but approximately 60% of delayed/non-unions heal with LIPUS.	Thank you for your comments. Consultee agrees with the recommendations for all 3 related IP topics. IPAC noted that the definitions of delayed union and non-union fractures were different and authors have used a range of different definitions. In the systematic review by Rutten 2016 (study 6 in table 2) 'delayed union was defined as no union for 3 months and non-union was defined as no union for a period of 9 months or no progression of healing at 6 months following the fracture'. IPAC considered your comment and added to section 2.2 a definition of non-union as follows: "There is no agreed precise definition of a fracture non-union but typically it is considered to be when there is failure of bony union 6 to 9 months after the fracture". NICE encourages clinicians to submit articles on the treatment of low-intensity pulsed ultrasound for consideration of publication by peer reviewed journals.

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