

Name of journal: World Journal of Anesthesiology

ESPS Manuscript NO: 16748

Columns: Editorial

Translating the **1** expression of pain in the face of uncertainty: The importance of human **pain** experiments for applied and clinical science

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Abstract

This brief commentary attempts to provide a concise synthesis of social psychology experiments that inform an interpretation of clinical pain. From a social perspective the expression of pain is a complex phenomenon that is **3** greater than the patient's physiology. Numerous experiments show that pain is **modulated by social and contextual factors**. These experiments point to the role of the listener as a social agent that can modulate the patient's expression. Within the clinical setting the patient's pain experience can be understood as the uncertainty of physical damage and their expression as an attempt to reduce that uncertainty. How successfully this occurs is in part dependent on the empathetic reception of the provider. Chronic pain is a state that is challenging to effectively model in humans but may persist in patients due to an inability to receive effective empathetic reception at the critical time of need (at or near onset). Rather than focusing on pain's alleviation future avenues of pain interventions may do well by turning attention to the most effective ways to impart a message that

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This has provided a physical construct for the concept of the **human pain** matrix. ... reasons for this, but one may have been the difficulty in **translating** animal models of **pain** to ... Acute **pain experiments** tend to stimulate the same or adjacent locations, It is possible that some of these may be **used** to categorise **clinical pain** ...

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Human Pain Research Group, University of Manchester Rheumatic ... but one may have been the difficulty in **translating** animal models of **pain** to ... **Uncertainty** about the **role** of the cortex in the **pain** experience also dates back It is possible that some of these methods may be **used** to categorize **clinical pain** syndromes, ...

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It follows that successful translation requires several models for each ... The heterogeneity of clinical pain is reflected in the response to ... The prototypical approach using capsaicin to activate TRPV1-expressing nociceptors has been applied to novel drugs has been correlated with effects in human experimental models, ...

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