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Lower Limb Arthroplasty
(Hip and Knee).

Trauma.

Pelvic and Acetabular Fracture Surgery.

Cyclo-ssage Pro-Personal Therapy System. [PPTS]

Patient care

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Cyclo-ssage [PPTS] and patient related outcome measures.

Cyclo-ssage impacts positively on patient related outcome measures.

Globally over one million total hip replacements are performed annually. The literature has reported extensively on the success of Total hip replacements for patients. The results of the assessment reports of the patient experience however do not always reflect this high success rate. A major component of the assessment tools is in relation to the care received by the patient prior to the planned surgery and includes physical as well as mental health status evaluation.

Patient Reported Outcome Measures [PROMs]

This assessment tools also known as the patient reported outcome measures or PROMs are important in order to improve the patient experience of specialist care.

Given that PROMs report are now available on the national joint registry, allowing patients and the general public to compare all aspects of individual surgical practice, optimisation of the preoperative (before surgery) patient experience is now a rapidly evolving field.

Additionally, PROMs have recently been incorporated in the comparison of national health trust services in the UK and Wales.

The role of the Cyclo-ssage [PPTS] and patient care

The Cyclo-ssage PPTS has a significant role in improving all aspects of patient care. Incorporating the use of the Cylco-ssage PPTS in the orthopaedic pre-operative clinic will ultimately result in significant improvements in the pre-operative components of the patient reported outcome experience.

Patient-centered questionnaires represent a quick and effective method of data collection and assessment of the efficacy of an interventional therapy. The questionnaires assess physical function, role limitations due to physical problems, role limitation due to emotional problems, social function, bodily pain, vitality, mental health and perception of general health.

The Oxford hip score (OHS) is a short, more site-specific and responsive questionnaire, compared to the short forms (SF).

Short forms (SF-36 captures additional, important quality-of-life domains. The SF-36 could probably be replaced by the SF-12 because of the large changes that occur between the domains, which belong to the physical component summary (PCS) and mental component summary (MCS) scores.

The EQ-5D Index is a standardised measure of health status developed in order to provide a simple, generic measure of health for clinical and economic appraisal. Applicable to a wide range of health conditions and treatments, it provides a simple descriptive profile for health status that can be used in the clinical and economic evaluation of healthcare as well as in population health surveys.

The EQ-5D Index comprises mobility, self-care (washing and dressing), usual activities (work, study, housework, family or leisure activities), pain-discomfort, and anxiety-depression. Each dimension has three levels: no problems, some problems, severe problems. The respondent is asked to indicate their health state by ticking in the box against the most appropriate statement in each of the five dimensions.

Optimising Pre-operative care using Cyclo-ssage [PPTS]

Cyclo-ssage PPTS provides an opportunity to optimise the pre-operative care of patients undergoing total hip replacements. PPTS therapy sessions can be commenced in the orthopaedic outpatient clinic. This affords patients interventional care that positively impacts on the physical health status and psychometric score sections of the PROMs.

Previously, it has been reported that cycloid therapy as provided in the PPTS stimulates and enhances the immune system while maximising the body flow mechanics (measures essential for vitality). These established benefits of the PPTS therapy are a further reason for individual surgeons and NHS Trust to provide pre op care that includes PPTS in outpatient facilities.

Using Cyclo-ssage [PPTS] in outpatient/pre-assessment clinics

Anxiety is an established component of the physical manifestations of joint disease. Due to the patient's perceived experience of joint pain with or without (giving-way) instability, the consequence is a heightened level of awareness, muscle tightness, global stiffness and an increasingly rigid antalgic gait. Such a gait demands more work to be done as compared to the healthy state, in order to complete activities of daily living. As such, fatigue is a major component of anxiety.

Optimisation of the anxious patient would be easily achieved by using the PPTS in an outpatient/pre-assessment clinic. When waiting times allow weekly use of such facilities prior to the planned surgery, significant improvement in the patient mental component as well as physical health status scores will be noted.

The successful use of the Cyclo-ssage PPTS on debilitating diseases, suggests that fatigue and anxiety associated with the pre-operative states would benefit from the phased relaxation therapy on the PPTS. There are obvious benefits of resolution of pre-operative anxiety for the patient, relatives and hospital staff. Additionally, these benefits are likely to impact positively on the patient reported outcome experience and scores.

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