

EVALUATING CHANGES IN CLINICALLY-RELEVANT PAIN INTENSITY AND INTERFERENCE OUTCOMES IN 5 SURGICAL PROCEDURES IN THE SUB-ACUTE POST-OPERATIVE PHASE. FINDINGS FROM THE MEXICAN PAIN OUT NETWORK

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Main Category: C (clinical)

Main Topic: Clinical diagnostics for the assessment of pain

Background and aims: Studies often focus on evaluating pain-related patient-reported outcomes (PROs) during the first 24 hours after surgery and/or after 3 months, defined as onset of chronic pain. Information about pain and interference with function in the sub-acute phase is sparse, yet, this might be a time period to intervene. This multi-center study aims to assess associations between pain-related impairment up to a week- versus one month after surgery. Here we report findings about clinically-relevant pain intensity and interference outcomes in the 5 most common procedures in this cohort on postoperative days (POD) 1/28.

Methods: PAIN OUT, a perioperative pain registry, provided tools for obtaining multi-dimensional pain-related PROs, demographic and clinical data about pain management in patients undergoing mixed surgeries in 14 hospitals in Mexico.

Results: In this interim analysis, 1538/1107/1026 patients provided data on POD1/POD7/POD28. Patients were 51 (median) years old, 38% were male. Most common procedures & their percentages in the cohort: Caesarean Delivery (CD) 9.8%/Open hysterectomy (Hys) 6.4%/Total Hip Replacement (THR) 5.65%/Complete nephrectomy (Neph) 5.5%/Laparoscopic cholecystectomy (LapC) 4.8%. Percent patients reporting worst pain $\geq 7/10$ during the last 24 hours on POD1: CD/Hys/THR/Neph/LapC was 37.4/28/43.4/34.7/32%; and on POD28: 10.8 /11/14/0/0%. Interference with activities $\geq 6/10$ on POD1: 36/20.3/32/26.5/33% and POD28: 13.8/5.6/18/3/7.4%. Pain causing helplessness $\geq 4/10$ on POD1: 33/9.4/21/22.2/17.5% and interference with mood on POD28 $\geq 4/10$: 28/7.4/18/17.6/24%.

Conclusions: Evaluations of 5 procedures related to general surgery/ orthopedics and OBGYN indicate that while reports of severe pain were much reduced by a month after surgery for all the procedures, pain-interference with activities and mood persisted.

Do you have any conflict of interest to declare (industry support) for the past 3 years related to this work? Yes

Conflict of interest statement: Unrestricted educational grant for a quality improvement study from Pfizer Global Medical Grants.

Has this study been approved by an ethics committee?: Yes

In case of patient case presentations: Do you have approval from the patient/patients? No

Explain why: Not relevant, this is not a patient case presentation

I am interested in participating in a poster walk: Yes

My abstract has an industry perspective: No

I wish to be eligible for a poster prize: No

If selected, I would like to give an oral presentation in addition to the poster presentation: Yes