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Misperception of Disease Onset in People with Gradual-Onset Disease of the Upper Extremity Maartje Lemmers, MD, Yvonne Versluijs, MD, Joost T.P. Kortlever, MD, Amanda I. Gonzalez, MD, and David Ring, MD, PhD Perceived onset (no. of patients) Gradually 99 (82%) 22 (18%) Perceived cause (no. of patients) Expected/age-related 92 (76%) 29 (24%) Injury/event-related Gradual impact of activities 20 (69%) 9 (31%) A specific injury $\textbf{J Bone Joint Surg Am.}\ 2020; 102: 2174-80 \\ \bullet \ \ \text{http://dx.doi.org/}\ 10.2106/ \\ \textbf{JBJS}. 20.00420$

Clin Orthop Relat Res (2017) 475:2360–2365 DOI 10.1007/s11999-017-5401-y Clinical Orthopaedics and Related Research® A Publication of The Association of Bone and Joint Surgeous®



CLINICAL RESEARCH

Patients Older Than 40 Years With Unilateral Occupational Claims for New Shoulder and Knee Symptoms Have Bilateral MRI Changes

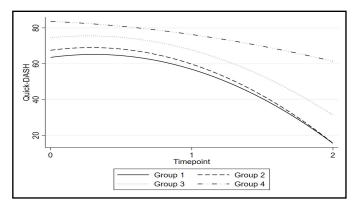
Tiffany C. Liu BA, Nina Leung PhD, Leonard Edwards BS, David Ring MD, PhD, Edward Bernacki MD, MPH, Melissa D. Tonn MD, MBA, MPH

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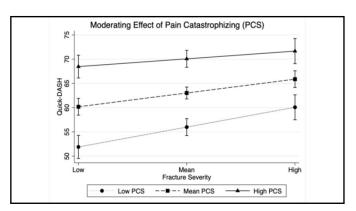
Joint affected	Congruent MRI findings	Incongruent MRI findings		p value, congruent versus incongruent
	Structural changes worse on symptomatic side	Structural changes worse on asymptomatic side	Structural changes equal bilaterally	neongruene
Shoulder	90 (48%)	67 (35%)	32 (17%)	0.36
Knee	45 (43%)	27 (26%)	33 (31%)	0.038

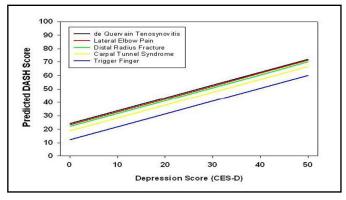
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Injury	Not an Injury
Acute, traumatic rotator cuff tendon rupture (large defect, extends to infraspinatus, good muscle)	Rotator cuff tendinopathy (thinning, small supraspinatus defect)
Tendon laceration	De Quervain tendinopathy
Fractured radial head	Elbow enthesopathy (tennis elbow)
Lumbar muscle strain	Lumbar arthritis
Median nerve laceration	Idiopathic median neuropathy at the carpal tunnel (carpal tunnel syndrome)

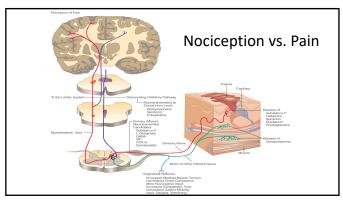


Distress / Unhelpful	Symptoms of Distress		Unhelpful thinking	
Thinking	Depression	Anxiety	Pain Catastrophizing	Kinesiophobia
Group 1: (n=168)	(z = -1.27)	(z = -1.11)	(z=-0.67)	(z=-0.47)
LOW	38 +/- 4	40 +/- 5	15 +/- 3	23 +/- 7
Group 2: (n=270)	(z = 0.08)	(z = -0.25)	(z=-0.26)	(z=-0.42)
AVERAGE	53 +/- 6	49 +/- 6	18 +/- 4	27 +/- 6
Group 3: (n=202)	(z = 0.40)	(z = 0.82)	(z=0.28)	(z=0.46)
NOTABLE	56 +/- 6	60 +/- 6	21 +/- 4	30 +/- 4
Group 4: (n=63)	(z = 1.77)	(z = 1.41)	(z=2.06)	(z=1.57)
MARKED	70 +/- 5	66 +/- 6	33 +/- 8	38 +/- 3









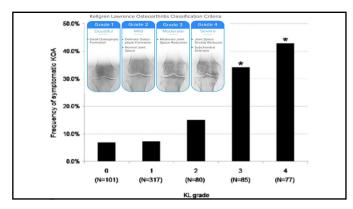
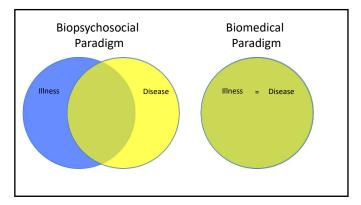
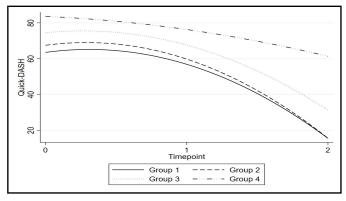


TABLE III Risks of Symptomatic Knee Osteoarthritis Conferred by the Severity of Radiographic Knee Osteoarthritis or by Comorbid Depressive Disorders			
	Odds Ratio*		
Depressive disorders†			
Absent	Referent group		
Present	5.9 (3.0 to 11.4)*		
Kellgren-Lawrence grade			
0 or 1	Referent group		
2 or 3	2.6 (1.4 to 4.8)§		
4 7.2 (3.5 to 15.0)*			





Opioid Refills 1-2 Months After Surgery PTSD Symptoms of anxiety Symptoms of depression Catastrophic thinking Helmerhorst GT, Vranceanu AM, Vrahas M, Smith M, Ring D. Risk factors for continued opioid use one to two months after surgery for musculoskeletal trauma. J Bone Joint Surg Am. 2014 Mar 19;96(6):495-9. doi: 10.2106/JBJS.L.01406. PMID: 24647506.

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rjan G. J. Bot MD, PhD, Stijn Bekkers B aul M. Arnstein PhD, R. Malcolm Smith !			
avid Ring MD, PhD			
Table 3. Multivariable and	ble 3. Multivariable analysis for pain i		
		inclinity.	
Model	Adjusted R ²		Partial R ²
			Partial R ²
	Adjusted R ²	p value	Partial R ²
Model	Adjusted R ²	2* p value < 0.001	







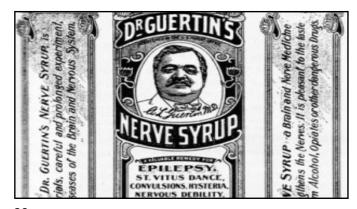




















Dell Medical Schoo

A Vital, Inclusive Health Ecosyst

Legislation

- Opium Exclusion Act 1909
- · Harrison Narcotics Tax Act 1914
- Heroin Act 1924
- Food, Drug, and Cosmetic Act 1938
- Controlled Substances Act 1970
- DEA formed 1973

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ADDICTION RARE IN PATIENTS TREATED WITH NARCOTICS

To the Editor: Recently, we examined our current files to determine the incidence of narcotic addiction in 39,946 hospitalized medical patients! who were monitored consecutively. Although there were 11,882 patients who received at least one narcotic preparation, there were only four cases of reasonably well documented addiction in patients who had no history of addiction. The addiction was considered major in only one instance. The drugs implicated were meperidine in two patients, Percodan in one, and hydromorphone in one. We conclude that despite widespread use of narcotic drugs in hospitals, the development of addiction is rare inmedical patients with no history of addiction.

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Pain, 25 (1986) 171-186 Elsevier

Chronic Use of Opioid Analgesics in Non-Malignant Pain: Report of 38 Cases

Russell K. Portenoy and Kathleen M. Foley

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Neurology, Cornell University Medical College, New York, NY 10021 (U.S.A.)

(Received 10 June 1985, accepted 28 October 1985)

Summary

Thirty-eight patients maintained on opioid analgesics for non-malignant pain were retrospectively evaluated to determine the indications, course, safety and efficacy of this therapy. Oxycodone was used by 12 patients, methadone by 7, and levorphanol by 5; others were treated with propoxyphene, meperidine, codeine, pentazoeine, or some combination of these drugs. Nineteen patients were treated for

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"Pain is the 5th Vital Sign"

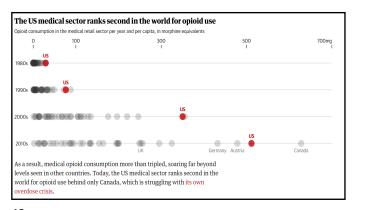
- International Association for the study of pain (IASP)
- Initial wide adoption in VA hospitals

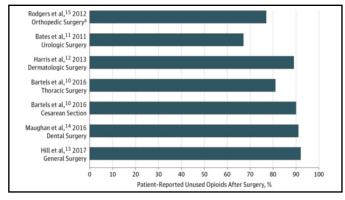
JACHO (now the Joint Commission) • 2000 release standards on pain management – Do not mention opioids • Released pain CME booklet sponsored by Purdue that said: "Some clinicians have inaccurate and exaggerated concerns" about addiction, tolerance and risk of death, the guide said. "This attitude prevails despite the fact there is no evidence that addiction is a significant issue when persons are given opioids for pain control."

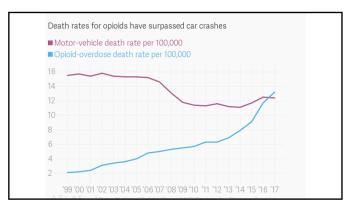
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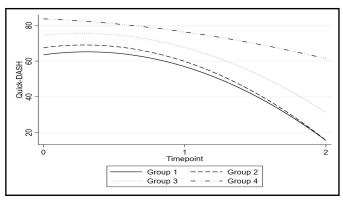
latrogenic & Advocatogenic • You undertreat pain • You over-worry addiction

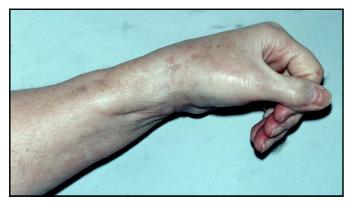
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International Association for the Study of Pain

1. The presence of an initiating noxious event or a cause of immobilization.

2. Continuing pain, allolynia (perception of pain from a nonpainful stimulus), or hyperalgesia disproportionate to the inciting event.

10.1016/j.jhsa.2010.06.007. PMID: 20684932.

3. Evidence at some time of edema, changes in skin blood flow, or abnormal sudomotor activity in the region of the pain.

4. CRPs is excluded by the existence of conditions that would otherwise account for the degree of pain and dysfunction.



Catastrophic Thinking Is Associated With Finger Stiffness After Distal Radius Fracture Surgery

Teun Teunis, MD,* Arjan G. J. Bot, MD, PhD,† Emily R. Thornton, BSc,* and David Ring, MD, PhD*

Objectives: To identify demographic, injury-related, or psychologic factors associated with finger stiffness at suture removal and 6 weeks after distal ndius fracture surgery. We hypothesize that there are no factors associated with distance to palmar crease at suture removal.

Design: Prospective cohort study.

Setting: Level I Academic Urban Trauma Center.

Patients: One hundred sixteen adult patients underwent open reduction and internal fixation of their distal radius fractures; 96 of whom were also available 6 weeks after surgery.

Main Outcome Measurements: At suture removal, we recorded patients' demographics, AO fracture type, carpal turnel release at the time of surgery, pain catastrophizing scale, Whiteley Index, Patient Health Questionnaire-9, and disabilities of the arm, shoulder, and hand questionnaire, 11-point ordinal measure of pain intensity, distance to

Conclusions: Catastrophic thinking was a consistent and major determinant of finger stiffness at suture removal and 6 weeks after injury. Future research should assess if treatments that ameliorate catastrophic thinking can facilitate recovery of finger motion after operative treatment of a distall radius fracture.

Key Words: catastrophic thinking, distal radius, finger stiffness, fracture, predictors, trauma

Level of Evidence: Prognostic Level I. See Instructions for Authors for a complete description of levels of evidence. (J Orthop Trauma 2015;29:e414-e420)

INTRODUCTION

INTRODUCTION

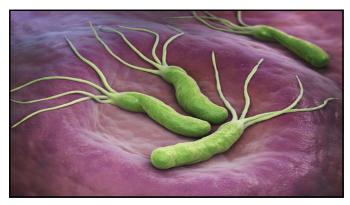
Finger stiffness is common after fracture of the distal radius. Variations in pathophysiology such as trauma mechanism or fracture type do not seem to adequately account for the variability in finger stiffness. For example, low- and medium-energy trauma leads to substantial finger stiffness

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	NOCICEPTIVE/ INFLAMMATORY	NEUROPATHIC	CENTRAL SENSITIZATION/ NOCIPLASTIC
Stimulus	Injury or inflammation	Neural damage, pinching, irritation	Central nervous system dysfunction
Neurons	Nociceptor and non-nociceptor	Nociceptor and non-nociceptor	Non-nociceptor
Site	Peripheral and central nervous system	Peripheral and central nervous system	Central nervous system
Clinical setting	Acute trauma, post-operative, arthritis	Nerve lesions, diabetic neuropathy, shingles, carpel tunnel	Fibromyalgia and a variety of other pain disorders
Function	Protective, healing/repair, pathological	Pathological	Pathological

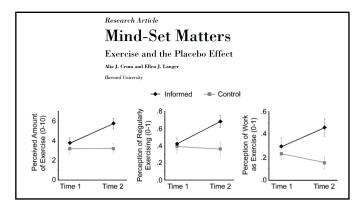
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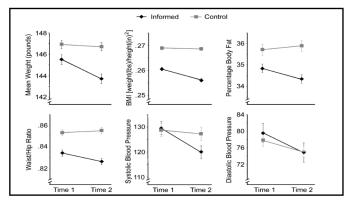
Changing Mindsets to Enhance Treatment Effectiveness

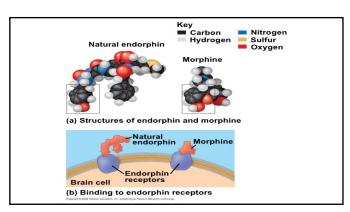
During the past few decades, significant biomedical ad- to heal, similar to placebos, can trigger specific neuro-

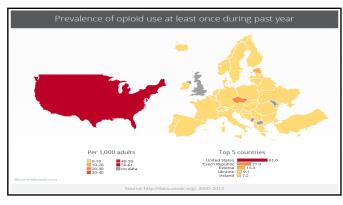
During the past few decades, significant biomedical advances have increased diagnostic and treatment effectiveness. Recent research from psychology provides a special opportunity to add value to the traditional comestore of medicine: the patient-clinician relationship.

What is it about the conversation between patient and physician that gives it therapeutic value? At the most basic level, physicians and other clinicians gather information and communicated disease and treatment information and communicated disease and treatment information. At an emotional level, the conversation can evoke a sense of mutual trust, empathy, support, and reseasurance. This Veryborit discusses research on minds sets, a critical feature of the conversation between patients and physicians because of their ability to drive motivation and after physiology to enhance clinical outcomes.

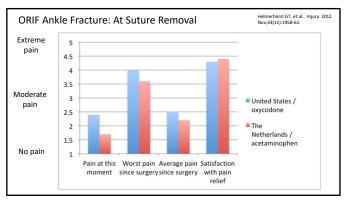


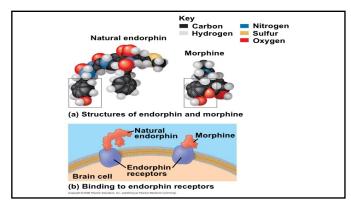




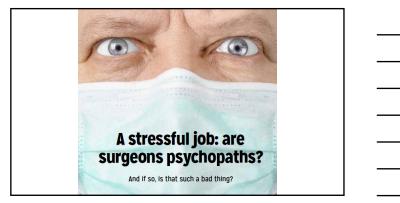










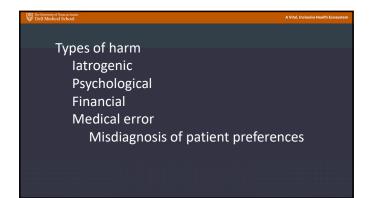




The Iatrogenic Potential of the Physician's Words

Some of the information that physicians convey to their patients can inadvertently amplify patients' symptoms and concern a course of heightened connict distress, aneffect that must be understood by physicians to ensure optimal management of patient care. The field illustrates their clit strates the transparency optimation as opposed to the latrogenic potential of findemation, as opposed to the latrogenic potential of fungs and procedures. Symptoms can cour in the absence of demonstrated educates of the satisfial interindivalual viriability in the eyal continuity of the comparator drug. Providing test results of dubious clinical significance also can lead to increased symptoms. For example, na strandomized study of acutelow back pair, one strong rough (in 201) underwerts pairs imaging, whereas the deasas, "selent" disease occurs without symptoms, and there is substantial interindivalual viriability in the eyal portions and disease is the patient's thoughts, beliefs, and bodily distress. Although cognitions may not cause symptoms. Several common clinical scenarios exemplify the latrogenic potential of the physician's words—for

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