

# **Incorporating Positive Psychology into Musculoskeletal Pain Management**

Kristin R. Archer, PhD, DPT Rogelio A. Coronado, PT, PhD Mary Sue Ingman, PT, DSc, CHWC



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#### **Personal Disclosure**

- Dr. Archer is an APTA board/committee member, Foundation for Physical Therapy board/committee member; PTJ editorial board member, and is a consultant for NeuroPoint Alliance, Pacira, and Palladian Health.
- Dr. Coronado has nothing to disclose.
- Dr. Ingman has nothing to disclose.

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Vanderbilt Institute for Clinical and Translational Research (VICTR)

Foundation for Physical Therapy





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#### **Learning Objectives**

- Understand the influence and interaction of negative and positive psychological factors on chronic musculoskeletal pain
- Differentiate psychological approaches used for promoting positive psychology
- Evaluate and be able to apply practical and evidence-based strategies for targeting positive psychology within orthopaedic physical therapy practice

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# Positive Psychological Factors in Musculoskeletal Pain

Rogelio A. Coronado, PT, PhD Research Assistant Professor Vanderbilt University Medical Center

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#### **Chronic Pain**

- Chronic daily pain in U.S. affects > 40 million people
- ~26% (10.6 million people) report highimpact chronic pain
  - -Headache/migraine, legs, low back, joints

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#### **Opioids**

- Patients with chronic pain at-risk for prolonged opioid use
- Questionable utility of opioids for chronic pain when considering benefit-risk

Busse et al. 2018





Morbidity and Mortality Weekly Report

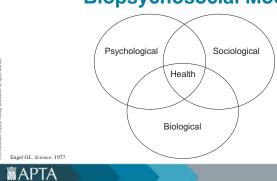
CDC Guideline for Prescribing Opioids for Chronic Pain — United States, 2016

Guideline 1: Nonpharmacologic therapy and nonopioid pharmacologic therapy are preferred for chronic pain.



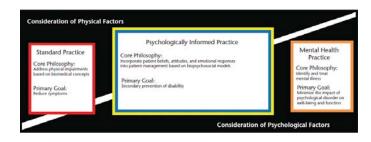


## **Biopsychosocial Model**



## Psychologically Informed Practice





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## "Fix What's Wrong"

- Much like medicine and psychology, the historical focus of musculoskeletal PT has been on addressing the *negative*:
  - Symptoms
- Distress
- Dysfunction
- Pathoanatomy
- Disease/disorder
- Trauma



#### **Good Reasons for Negative Focus**

- Most urgent or salient
- Directly relates to suffering/relief
- Has lead to advancement in disease management
- Required for clinical documentation and payment



#### **Negative Psychological Factors**

- Depression
- Anxiety
- Anger
- Negative affect
- Pain catastrophizing
- · Fear of movement
- Activity avoidance



WHAT IF ...?

#### Symptoms of Depression and Risk of New Episodes of Low Back Pain: A Systematic Review and Meta-Analysis

MARIN Influence of Catastrophizing on Treatment Outcome in Patients With Nonspecific Low Back Pain











Clinical Study

Fear-avoidance beliefs-a moderator of treatment efficacy in patients with low back pain: a systematic review

Maria M. Wertli, MD<sup>n,h,n</sup>, Eva Rasmussen-Barr, RPT, PhD<sup>n,c</sup>, Ulrike Held, PhD<sup>h</sup>, Sherri Weiser, PhD<sup>n</sup>, Lucas M. Bachmann, MD, PhD<sup>h</sup>, Florian Brunner, MD, PhD<sup>h</sup>



#### **Psychological Screening**

- Measures highlighted in Low Back Pain Clinical Practice Guidelines, include:
  - PHQ-2 (depression)
  - FABQ (fear-avoidance beliefs)
  - PCS (pain catastrophizing)
  - Orebro (psychological distress)
- STarT Back (psychological distress)

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## **Targeted Management Strategies**

- Graded Exposure fear of movement
- Pain Neuroscience Education fear-avoidance, pain catastrophizing, negative affect
- Traditional Cognitive-Behavioral Strategies *maladaptive* thoughts and beliefs

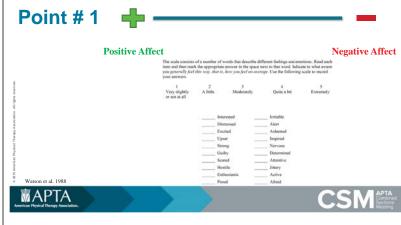
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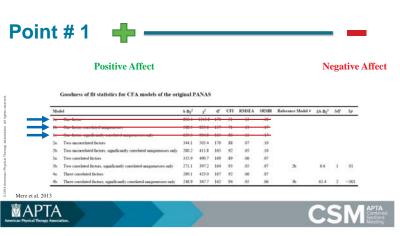
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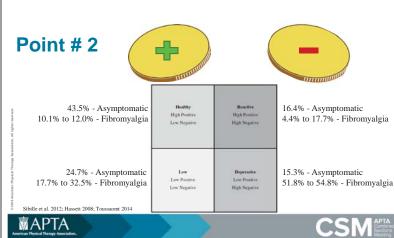
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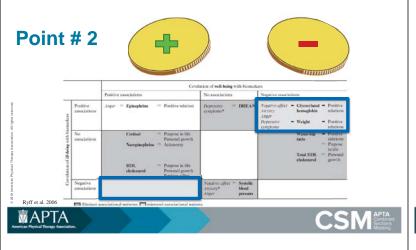
Why consider positive psychological factors?











Point # 3 
$$y = \alpha + \beta x_i + \varepsilon_i$$

- Prediction of chronic musculoskeletal pain outcome or recovery by current models is modest
  - Pain duration, severity, trauma, prior episodes or surgery, additional pain sites, depression, anxiety, smoking, worker's compensation



#### **Final Point**

 Psychological-based approaches largely focused on addressing negative factors have modest effect sizes and are not beneficial for everyone

Hofmann et al. 2012; Morley et al. 2013



#### **A New Science of Human Strengths**

 1998 APA President's Address by Martin Seligman, PhD



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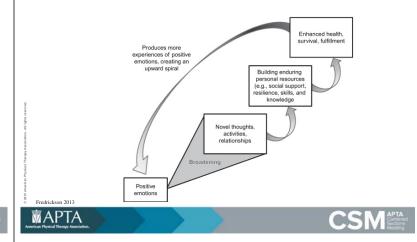
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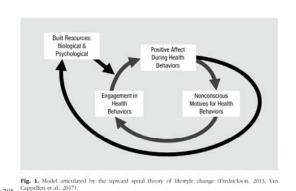
## "Build What's Strong"

- Positive psychology is devoted to the study of positive individual attributes and strengths, well-being, and optimal functioning
- Shift from disease prevention → health promotion
- Shift from pathology/dysfunction → optimal functioning

Duckworth, Steen, and Seligman et al. 2006; Kobau et al. 2011



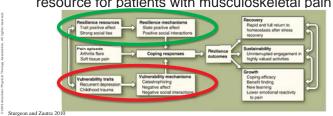




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## **Positive Psychology and Pain**

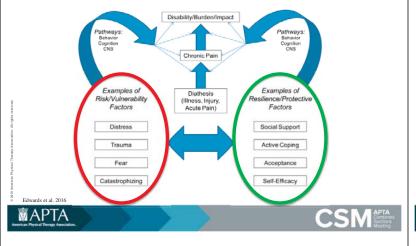
• Positive psychological factors can be a *protective* resource for <u>patients</u> with musculoskeletal pain



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#### **Positive Psychological Factors**





- Self-efficacy
- Positive affect
- Optimism
- Resilience

### **Self-Efficacy**

- Expectations that one can execute a behavior required to produce an outcome
- Confidence and belief in one's capabilities

Bandura 197



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## **Pain Self-Efficacy Questionnaire**

- PSEQ is a 10-item measure
- Sum of 10 items

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 Higher scores reflect greater self-efficacy Prime rate how confident you are that you can do the following things of pricate depite the pain. To this of a completely confident and or a completely confident.

For example:

Not at all Completely confident

Reasonable, the quotientaire is not asking whether of east you have been doing those fitings, but rather how confident you are that you can do them as prevent, dende the pain.

1. I can enjoy filings, despite the pain.

Not at all Completely confident

2. I can do most of the howeshold chores (e.g. 66) jing up, washing disher, etc.) despite the pain.

Not at all Completely confident

2. I can socially with my brinds or family numbers as when at load or do, duple the pain.

Not at all Completely

Confident

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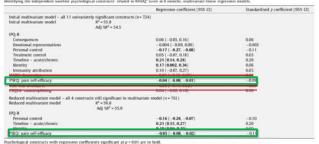
## **Self-Efficacy and Musculoskeletal Pain**

Risk Factor	Pain Intensity, OR (55% CI)	Pain Interference, OR (95% CI)	Satisfaction, OR (95% C1)
Age in yr	-	0.93 (0.86-1.02)	_
Male vs. female		0.16 (0.02-1.8)	
>High school education vs. <high school<="" td=""><td>0.05 (0.003-0.73)</td><td>_</td><td></td></high>	0.05 (0.003-0.73)	_	
Pain intensity at hospital discharge		-	0.08 (0.007-0.83)
Self-efficacy for pain management	0.87 (0.78-0.98)*	0.91 (0.82-1.01)*	1.04 (0.99-1.09)
Depression	1.5 (1.07-2.7)*	1.9 (1.01-3.5)*	0.89 (0.75-1.1)
Posttraumatic stress disorder	0.99 (089-1.1)	0.96 (0.87-1.1)	1.0 (0.94-1.1)

Archer et al. 2012



#### **Self-Efficacy and Musculoskeletal Pain**



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Self-Efficacy and Chronic Pain Outcomes: A Meta-Analytic Review

Todd Jackson, \*. 1 Yalei Wang, 1 Yang Wang, 1 and Huiyong Fan1

Todd Jackson, "\ Yale\ Wang\ \ Yang\ Wang\ \ and \ Wuyong\ Fan!\ Abstract: A meta-analysis was performed to evaluate everall strengths of relation between self-efficacy (S2) and functioning (pain severity, functional impairment, affective distress) in chronic pain samples, as well as potential moderating effects of sociotemographic characteristics and methodologic factors on these associations. In sum, 86 samples (N + 15,676) fulfilled selection criteria for analysis. SE had negative overall correlations with impairment, affective distress, and pain severity athough considerable heterogeneity was observed for all effect sizes. Aqe, pain duration, SE scale content (SE for functioning despite pain vs SE for pain control vs SE for managing other symptoms such as mentional distress) and type of impairment measure (self-eport vs task performance) had significant moderating effects on SE-impairment associations. SE-affective distress relations were moderated by employment status and SE scale content. Finally, moderato analyses of studies having longitudinal designs indicated associations between baseline SE, and eachoutcome at follow-upremained significant in prospective studies that had statistically controlled for effects of baseline responses on that outcome. Hence, SE is a robust correlate of key outcome: related to chronic pain and a potentially in prospective studies that has statistically Controlled on Princes or baseline responses on this outcome. Hence, SE is a robust correlate of layoutcome related to dirently plan and a potentially important risk/protective factor that has implications for subsequent functioning in affected groups Perspective. Meta-analysis indicated that SE has significant overall associations with impairment effects distress, and pain severity within chronic pain samples and identified several factors that contribute to variability in effect sizes. Findings highlighted SE as a robust correlate all optentials. important risk/protective factor for subsequent adjustment in affected groups





#### **Positive Affect**

- · Positive feelings or attitude
- Can be a state and trait characteristic
- · Linked to positive social interactions and behaviors



## **Positive and Negative Affect Schedule**

- PANAS is a 20-item measure
- Positive affect = sum of 10 positive items
- · Higher scores reflect greater positive affect

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When It Hurts, a Positive Attitude May Help: Association of Positive Affect With Daily Walking in Knee Osteoarthritis. Results From a Multicenter Longitudinal Cohort Study

DANIEL K. WHITE, JULIE J. KEYSOR, TUHINA NEOGL, DAVID T. FELSON, MICHAEL LAVALLEY, K. DOUG GROSS, JINGBO NIU, MICHAEL NEVITT, CORA E. LEVIS, JIM TORNER, AND LISA FREDMAN

Results. Compared to respondents with low positive affect (27% of all respondents), those with high positive affect (63%) walked a similar number of steps per day, while those with depressive symptoms (10%) walked less (adjusted  $\beta=32.6$  [95% confidence interval (95% CI) -458.9, 393.8] and -579.1 [95% CI -1274.9, -116.7], respectively). There was a statistically significant interaction of positive affect by knee pain (P=0.0045). Among the respondents with knee pain (39%), those with high positive affect walked significantly more steps per day (adjusted  $\beta$  711.0 [95% CI 55.1, 1.366.9]) than those with low positive affect.

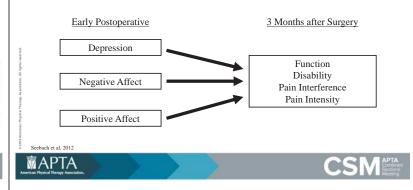
than those with low positive affect.

Conclusion. High positive affect was associated with more daily walking among adults with painful knee OA. Positive affect may be an important psychological factor to consider for promoting physical activity among people with painful knee OA.





#### **Positive Affect and Musculoskeletal Pain**



#### **Positive Affect and Musculoskeletal Pain**

Results suggest that positive affect and depression are important variables to target when seeking to improve postoperative outcomes in a spine surgery population. Recommendations include screening for positive affect and depression, and treating depression as well as focusing on rehabilitation strategies to bolster positive affect..."

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#### **Optimism**

- Generalized expectation of a good outcome
- Optimists are likely to engage in approach (vs. avoidance) oriented coping

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#### **Life Orientation Test - Revised**

- LOT-R is a 10-item measure
- Sum of items 1, 3\*, 4, 7\*, 9\*, 10 \*reverse code
- · Higher scores reflect higher optimism

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I. In uncertain times. I usually expect the best

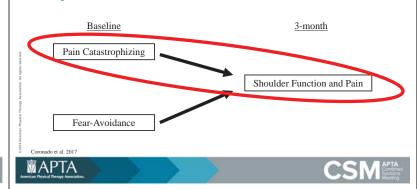
2. It's easy for me to relax. 3. If something can go wrong with me, it will

 I'm always optimistic about my future.
 I enjoy my friends a lot. 6. It's important for me to keep busy.
7. I hardly ever expect things to go my way.

8. I don't get upset too easily. 9. I rarely count on good things happen

10. Overall, I expect more good things to happen to me than bac

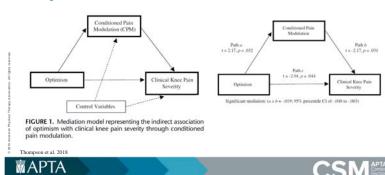
#### **Optimism and Musculoskeletal Pain**



## **Optimism and Musculoskeletal Pain**



## **Optimism and Musculoskeletal Pain**



#### Resilience

- Ability to bounce back from negative event
- "Flourishing in the face of adversity"
- · Resilient individuals handle adversity through up-regulation of positive emotions



#### **Resilience Measures**

- Connor-Davidson Resilience Scale
- Resilience Scale for Adults
- Brief Resilience Scale
- Pain Resilience Scale

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#### **Brief Resilience Scale**

• BRS is a 6-item

Higher scores reflect

greater resilience

Please indicate the extent to which you agree with each of the following statements by using the following scale:

measure

- [1] = strongly disagree [2] = disagree [3] = neutral [4] = agree [5] = strongly agree
- Average of 6 items \*reverse code 2, 4, and 6
  - 1. I tend to bounce back quickly after hard times. 2. I have a hard time making it through stressful events.
  - 3. It does not take me long to recover from a stressful event.
  - 4. It is hard for me to snap back when something bad happens. 5. I usually come through difficult times with little trouble.
    - 6. I tend to take a long time to get over set-backs in my life.

#### Resilience and Musculoskeletal Pain



Aim: Examine psychological correlates of widespread pain sensitivity

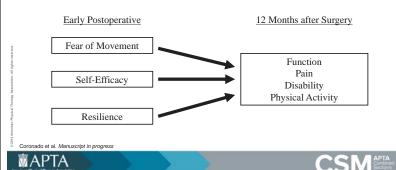
Psychological – Negative Depression (DASS-21) Anxiety (DASS-21 Stress (DASS-21) Negative affect (PANAS)

Abbreviations: BRS = Brief Resilience Scale; CSI = Central Sensitization Inventory; DASS-21 = Depression Anxiety Stress Scale; PANAS = Positive and Negative Affect Schedule; PSO = Pain Sensitivity Questionnairs.

"Adjusted for age, sex, and education.



#### **Resilience and Musculoskeletal Pain**



#### **Resilience and Musculoskeletal Pain**

Higher levels of *resilience* and *self-efficacy* were associated with higher physical function and lower disability and pain at 12 months

Higher resilience was associated with greater physical activity at 12 months

Coronado et al. Manuscript in progress

	beta [95% CI]	Semi-partial r	p-value
Physical Function: PROMIS			
Resilience: BRS	2.42 [0.98; 3.86]	0.19	0.001
Self-efficacy: PSEQ	0.12 [0.04; 0.19]	0.17	0.002
ear of movement: TSK	-0.14 [-0.30; 0.02]	-0.10	0.08
Pain Interference: PROMIS			
Resilience: BRS	-2.22 [-3.79; -0.64]	-0.16	0.006
Self-efficacy: PSEQ	-0.11 [-0.20; -0.02]	-0.14	0.01
ear of movement; TSK	0.08 [-0.11; 0.27]	0.05	0.41
Disability: ODI			
Resilience: BRS	-3.89 [-6.80; -0.99]	-0.14	0.009
Self-efficacy: PSEQ	-0.25 [-0.41; -0.08]	-0.15	0.003
ear of movement; TSK	0.17 [-0.15; 0.49]	0.06	0.30
Back Pain Intensity: NRS			
Resilience: BRS	-0.53 [-0.96; -0.10]	-0.14	0.02
Self-efficacy: PSEQ	-0.02 [-0.05; 0.00]	-0.12	0.03
ear of movement: TSK	0.05 [0.00; 0.10]	0.12	0.03
Physical Activity: Activity Counts			
Resilience: BRS	36.70 [8.53; 64.87]	0.12	0.01
Self-efficacy: PSEQ	0.19 [-1.19; 1.57]	0.01	0.79
ear of movement: TSK	0.38 [-2.59; 3.36]	0.01	0.80

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## **Take Home Message #1**

 Positive factors like self-efficacy, positive affect, optimism, and resilience are important determinants of musculoskeletal pain outcomes **Next Steps** 

 Multidimensional screening tools that examine both positive and negative psychological factors for estimating prognosis or guiding treatment

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Association Between 6-Week Postdischarge Risk
Classification and 12-Month Outcomes
After Orthopedic Trauma

Rerun C. Castio, PRO, MS; Yarjie Huang, ScM, Daniel Schurfstein, ScD, Katherine Frey, PhD, MS, MPH,
Michael J. Boose, MG, Andrew R. Pollal, MD; Heather A. Valley, MD; Yarsie R. Acher, PRO, DPT;
MGM-14 Alyens, MA, Amel R. Hercoche, Till, MSD; Yarsie Haddens, Pollal, MD; Grant R. Acher, PRO, DPT;
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MGM-14 Alyens, MGM-1

IAMA Surgery | Original Investigation

Association Between 6-Week Postdischarge Risk

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conclusions and relevance This study demonstrates that during early recovery, patients with orthopedic trauma can be classified into risk and protective clusters that account for a substantial amount of the variance in 12-month functional and health outcomes. Early screening and classification may allow a personalized approach to postsurgical care that conserves resources and targets appropriate levels of care to more patients.

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## **Take Home Message #2**

 Interventions aimed at boosting positive psychological attributes may be beneficial within a comprehensive and/or personalized pain management approach



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# Health Coaching in Physical Therapy Practice using Motivational Interviewing Skills

Mary Sue Ingman PT, DSc, CHWC
Associate Professor
St. Catherine University





#### **Health and Wellness Coaching**

- "Health and Wellness Coaches partner with clients seeking selfdirected, lasting changes, aligned with their values, which promote health and wellness and, thereby, enhance well-being.
- In the course of their work health and wellness coaches display unconditional positive regard for their clients and a belief in their capacity for change, and honoring that each client is an expert on his or her life, while ensuring that all interactions are respectful and non-judgmental" International Consortium for Health and Wellness Coaching





#### PT/PTA's Role in Health Coaching

- "Physical therapists can effectively counsel patients with respect to lifestyle behavior change, at least in the short term. They can be effective health counselors individually or within an interprofessional team" Frerichs et al A systematic review and implications. Physiother Theory Pract. 2012
- Integrate into clinical practice
  - PTs coaching pts with RA to increase physical activity Nessen et al PTJ 2014
  - Integrated into practice with veterans. Collins et al Global Advances in Health and Medicine 2018
  - Lots of examples cited in PT in Motion April 2012
  - Others cited in this presentation
- Post discharge Wellness model; private pay
- Employer offering There is a need for smaller employers





### Expert vs Coach Approach Frates et al 2011

EXPERT APPROACH	COACH APPROACH
Treats patients	Helps patients help themselves
Educates	Builds motivation, confidence, and engagement
Relies on skills and knowledge of expert	Relies on patient self-awareness and insights
Strives to have all the answers	Strives to help patients find their own answers
Focuses on the problem	Focuses on what is working well
Advises	Collaborates

# A PT with a Coaching mindset and "way of being"

- Adding communication tools
- To enhance your therapeutic dialogue with your patients

# Coaching is Grounded in Behavioral Change Theories and Communication Techniques ie MI

- Self-Determination Theory (SDT): three psychological needs should be met to build self-determination
  - autonomy, competence, relatedness
  - These are the end goals of a coaching approach
- Social Cognitive Theory (SCT): human behavior is determined by three factors
  - Self Efficacy

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# Coaching is Grounded in Behavioral Change Theories and Communication Techniques ie MI

- Transtheoretical model of change (TTM): five stages of change
  - precontemplation, contemplation, preparation, action, maintenance
- Appreciative Inquiry (AI): approach for motivating change; focuses on exploring and amplifying the best in a person or situation

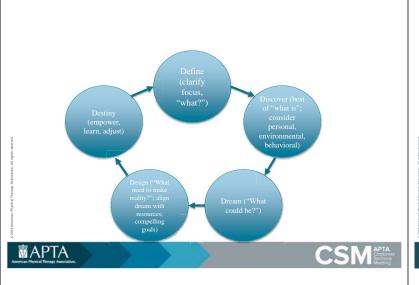
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## **Appreciative Inquiry (AI)**

- Focuses on exploring and amplifying the best in a person or situation
- Do not focus on weaknesses, barriers, problems to fix
- Clients encouraged to acknowledge strengths and imagine possibilities
- Fosters positive change talk

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## Motivational Interviewing

Rollnick and Miller (2008)

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# Motivational Interviewing/Conversation The What

- A Guiding style of assisting a person in changing a behavior vs a Directive style
- Purpose is to active one's own motivation for and commitment to change
- A model for discovering motivation and building self-efficacy

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#### **Expert and Coach**

	EXPERT	COACH
.por	Direct	Guide
n. All rights resen	Prescribe	Empower
ican Physical Therapy Association	Educate	Listen for their wisdom and reflect it back to them

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# Motivational Interviewing/Conversation The What

 Listen for and support "Change Talk" vs "Resistance Talk"

## Motivational Interviewing/Conversation The How

- Open ended question
- Affirmations
- •Reflective Listening
- Summary statements







#### CSM Sections

## **Open Ended Questions**

- · Evokes motivation
- MI principles suggest using at least 50% of time Who, What, How, When, Where, Why (with caution)
- Examples
  - What was the best experience with your HEP this week?
  - What will your life be like in1 year if you make this change?
  - What previous successes have you had in making a difficult change?





#### **Affirm**

- A statement that recognizes and acknowledges the good
- It can help to build and maintain rapport
- Examples
- "You clearly have the determination"
- "Your intentions were good even though you had set backs in reaching your goal"



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Everything is goin to work out for m highest good

#### **Reflective Listening**

- · Your best guess at what the person is saying
- It allows you to state your interpretation of what they said and to get confirmation in order to avoid assumptions
- State as a statement vs a question
- Ask yourself if you are listening or waiting to talk
- WAIT -Why Am I Talking

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#### **Summarize**

- Pull together what you have heard so far
- Do it often



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# Motivational Interviewing/Conversation The How

- •On a scale of 0-10; with 0 as *not at all important* and 10 as *extremely important*, how important would you say it is for you to\_\_\_\_\_?"
- •"Why are you at a \_\_\_\_\_ and not a 0?"
- •"On a scale of 0-10; where 0 is *not at all confident* and 10 is *certain*, how confident are you that you could \_\_\_\_\_ if you decided?"
- •"Why are you at a \_\_\_\_\_ and not a 0?"



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Instead of doing this	Try this
Explaining WHY pt. should change	Listen with goal of understanding the dilemma. GIVE NO ADVICE until asked
Describing specific benefits of changing	Ask: What might be the benefits to you of changing?
Telling them HOW to change	Ask: How might you do this so it fits into your life?
Emphasizing how important it is to change	Ask: How would your life be different if you changed?
Telling or inspiring pt. to change	Ask: How can this change help you realize your values?



Instead of asking	Try this
Do you like to exercise?	What do you enjoy most about exercise?
When did you exercise last?	What is the best experience that you have had with exercise in the past week?
Do you think your health is at risk if you don't lose weight?	What will your life look like in 5 years if you don't lose weight?
Are you getting enough sleep?	How would your life be different if you were to get 8 hours of sleep every night?
Do you want to quit smoking?	What are the good things about smoking? What are the not so good things about smoking?

What are the most important ingredients in ANY conversation about changing or adhering to something?

- Empathy
- Genuine curiosity
- Listen for and support Change Talk
- Roll with resistance
- Respect patient's autonomy





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Psychosocial Strategies for Promoting Positive Psychology in the Clinic

Kristin Archer, PhD, DPT Associate Professor and Vice Chair of Research Vanderbilt University Medical Center

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#### **Learning Objectives**

 Evaluate and be able to apply practical and evidencebased strategies for targeting positive psychology within orthopaedic physical therapy practice





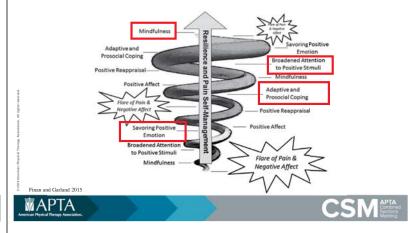
#### **Mindfulness**

- Bring one's attention to moment-to-moment experiences – promote well-being
  - Present-mindedness
- · Acceptance without judgement
  - Thoughts and feelings

Hardison and Roll. Am J Occup Ther. 2016







#### **Mindfulness Meditation: Overview**

Mindfulness practices differ, most include 3 tenets:



Maintaining one's attention to a single focus (breath, feeling, movement) without judgment Remaining open to what arises in that moment



#### **Mindfulness Meditation Strategies**

- Mindful breathing
- Visualization
- Body scan
- Intention for the day
- · Mindful exercise/activities



#### **Mindfulness Meditation Strategies**

- Mindful Breathing (start 5 minutes)
  - Attention on breath
    - · Count with breath
  - Accept thoughts and feelings
    - Thoughts wander bring yourself back to breathing

Practice: Now close your eyes if you are comfortable doing so. Take a deep breath in through your nose slowly for a count of three and bring air down to your waist as your hands rise. 1....2....3....Then exhale from your mouth, with a sigh of relief, and feel your hands fall. 1.....2.....3.....4... Notice if your





#### Mindful Breathing

#### Concentration phase

Stage 1: 10-minute breath counting (week 1)

Sitting on a chair, or on the floor, in a quite room with a straight back, arms relaxed on the lap and eyes and mouth closed, breath normally in through the and mount closed, oreath normany in through mose nose and then count 'one' on the out-breath. When 'ten' is reached return to 'one'. If at any point during this 10-min period, the concentration of counting is lost due to a distracting thought or feeling then return to 'one' and start again.

#### Stage 2: Breath concentration (week 2)

Sitting in the same posture in the same environment focus attention on breath and instead of counting notice which nostril it is entering and the sensation the breath causes at the area inside the nostrils, e.g. warm, cool, ticklish, annoying, painful or even nothing at all. If a thought or feeling distracts this attention gently focus the attention back to the breath.

Pike AJ. Phys Ther Reviews. 2008

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Stage 3: 20-minute sensation concentration/awareness (week 3)

In the same posture and the same environment, focus attention to the area just below the tip of the nose and become attentive/aware of the sensation here along with any sensation brought about by the flow of the breath. If a thought or feeling distracts this attention/awareness gently focus the attention/awareness back to the sensation

#### Awareness phase

Stage 4: Patchwork surface sensation awareness (week 4) In the same posture and the same environment, take the awareness to one cheek, then the other cheek, then the chin, then the neck and so on, patch by patch, until all of the body has been covered. If a thought or feeling distracts from this awareness then gently allow the awareness to come back to the sensation patch that was last reached.

## **Mindfulness Meditation Strategies**

- Visualization
  - Imagine a scene and "step into" that feeling/ experience (sounds, movement, scent in air)
    - · Relax and breathe
    - Close your eyes and create a vivid image
    - · Maintain a positive attitude
    - Have realistic expectations
    - Use all senses to make image as real as possible





#### **Mindfulness Meditation Strategies**

#### Body Scan

- Bring attention to parts of body and sensations
  - · Beginning at toes, any tension in your feet
  - · Move on to your calves and legs
  - · Pay attention to how they feel, where they are resting
  - Move on to your abdomen, lower back, and your shoulders
  - · Pay attention to how they feel, where they are resting
  - · Ask yourself if you can gently relax or soften them

### **Mindfulness Meditation Strategies**

· Word or Phrase for the Day

A good way to be present-minded is to set an intention every day.

Wake up, and before you get out of bed, take one deep, controlled breath. Then spend a few moments to set your intention for the day. Let yourself see and feel your intention. Write down your intention, put in your phone or add to your digital calendar.

Today, I am all about:

- Breathing
- · Be kind to myself
- · Spending time with family





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#### **Mindfulness Meditation Strategies**

#### 1. One Bite at a Time

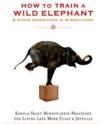
The Goal: To experience one moment at a time and become aware of impatience

The Exercise: After you take a bite of food, put the spoon or fork back down in the bowl or on the plate. Place your awareness in your mouth until that one bite has been enjoyed and swallowed. Only then pick up the utensil and take another bite.

#### 3. Home Exercise Program

The Goal: To be present and aware of your body during each exercise

The Exercise: Pay attention to each exercise movement, the feeling of your body and the count of each repetition.





#### **Cognitive-Behavioral Strategies**

- Behavioral
  - Graded activity hierarchy
  - Goal setting
  - Scheduling pleasurable activities
- Cognitive
  - Positive/productive self-talk





## **Graded Activity Hierarchy**

Activity	Difficulty Scale 0-10		
Gardening Yard work Going back to work Swimming Riding a bicycle	0		
Painting/Home repairs Cleaning windows Lifting heavy objects Making the bed Walking the dog			
Climbing stairs Driving a car Loading a dishwasher Yacuuming Lifting light objects Carrying a trash bag	ş		
Doing laundry Dressing a child Washing dishes	4		
Ironing	1		
Brushing teeth			

Activity	Difficulty Scale 0-10
	Most Difficult 10
	1
	1
	2
	Least Difficult



## **Goal Setting**

- Specific, measurable, realistic
- Confidence scale
  - Patient needs to feel confident (0-10 scale)
    - How confident are you...on a scale from 0 to 10
      - 0 is not confident at all
      - 10 is completely confident
    - If below 8 set a new goal or revise goal







#### **Goal Setting**

- · Verbal commitment from the patient
- · Written commitment from the patient

Week	Activity	Goal	Level (0-10)



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#### **Goal Setting**

- Confident and committed patient is more likely to accomplish their goals
- When reach goals provide affirmation (MI)
- Problem Solving
  - Potential obstacles to completing goal
  - Potential solutions to overcome obstacles

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### **Scheduling Pleasurable Activities**

- · List some activities that you like and enjoy doing
  - (walk, shopping, reading, movie)
- · Which ones are you able to do now?
- Create a schedule for the next week (day/time)
- Track activities

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		DAYS					
Pleasant Events	1	2	3	4	5	6	7
1. Gardening	1				1	Г	V
2. Watching a sunset	1		П	П	1	1	Г
3. Going out to lunch			V	Г	Г		V
4. Visiting with friends		V			Т	V	
5. Going to a museum			Т	Т	т	V	Т
6. Baking	10				Т		
7. Reading for fun	1	V	V	Г	1		V
8. Buying flowers						$\Box$	
9. Shopping	(e) A		1		Г	V	П
10. Listening to music			V	Г	1	1	Г
TOTALS	3	2	4	0	4	5	3

#### **Productive Self-Talk**

The most important coach during the recovery process is you. You speak to yourself more often than any other person. You coach yourself all day long. The way you speak to yourself is either helpng your recovery or, if overly critical, can chip away at your ability to feel confident about your recovery.

How am I going to remind myself to use more productive self-talk?

- Take screen shot and put on phone
- Post this sheet or sticky note in visible place

More Productive S	elf-Talk
"It will get better" "I will work hard."	
I Will work hard."	





#### **Motivational Interviewing**

- Delivery of mindfulness and cognitive/ behavioral skills
  - Open-ended questions
  - Affirmations
  - Reflections
  - Summary
- Not changing clinical style, but sharpening communication "tools"



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Fixing one, two, or even three tires on car with four flat tires will not get you anywhere.

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