

# the • problem Managing fibromyalgia

in the medical home



### WEBINAR SERIES: LAND ACKNOWLEDGEMENT



Calgary Zone webinar series: Mental health & hot topics

#### **Calgary Zone webinar:**

Fibromyalgia and other primary care hot topics

#### Financial support

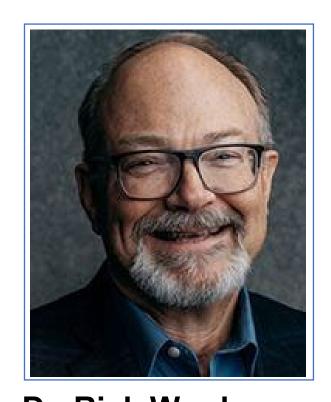
■ N/A

#### Potential for conflict(s) of interest:

■ Pilot health speakers connected to YBW Aeromedical Clinic

#### PRESENTER: DISCLOSURE/CONFLICTS

Title: Welcome, overview, next webinar



#### **Financial sponsors**

■ Alberta Health Services (Medical Director, Primary Care)

#### **Disclosures**

- Shire Pfizer Merck BI AZ Janssen Takeda
- Servier BMS

# Dr. Rick Ward Family Physician Crowfoot Village Family Practice Medical Director, Primary Care, Alberta Health Services (Calgary Zone)

Time	Topic	Speaker
6-6:05 p.m.	Welcome, overview	Dr. Rick Ward
6:05-6:30 p.m.	Silver Linings Foundation eating disorder live-in treatment centre	Marlies Van Dijk
6:30-6:40 p.m.	Q&A	Marlies Van Dijk
6:40-7:15 p.m.	Fibromyalgia	Dr. Lori Montgomery
7:15-7:25 p.m.	Q&A	Dr. Lori Montgomery
7:25-7:35 p.m.	Duty to report, pilot health	Dr. Mindy Gautama & Dr. Brendan Adams
7:35-7:55 p.m.	Primary care hot topics	Dr. Christine Luelo
7:55-8 p.m.	Next webinar	Dr. Rick Ward

Title: Live-in Eating Disorder Centre in Alberta



#### **Financial sponsors**

■ Nothing to disclose

#### Potential for conflict(s) of interest:

•■ Nothing to disclose

Marlies van Dijk, RN MSc Executive Director, Calgary Silver Linings Foundation

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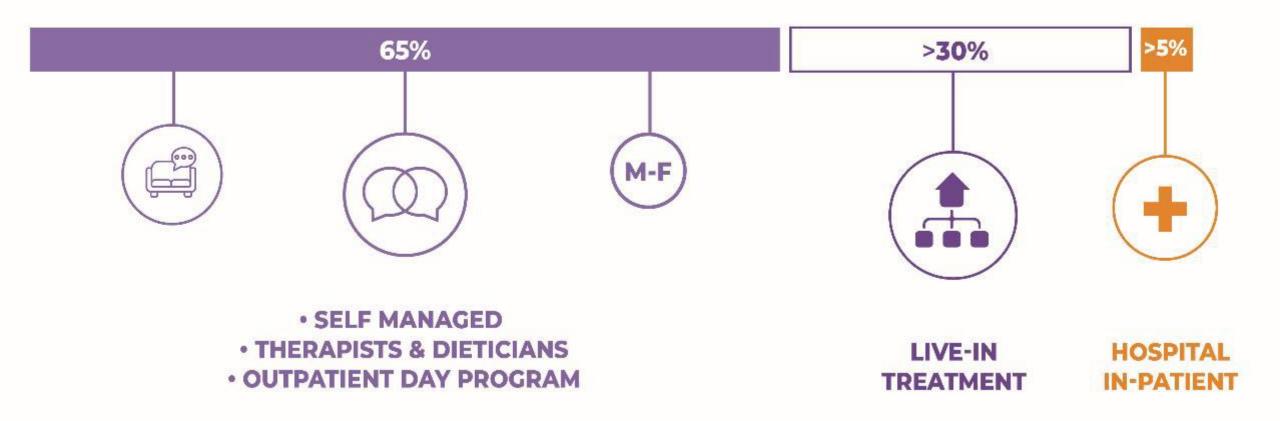
# Sandstone Live-In Eating Disorder Treatment Centre in Alberta







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# TREATMENT CENTRE: LOCATION

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# Multidisciplinary team

- Physician (Dr. Andrea Robb)
- Nurse Practitioner and LPNs
- Counsellors
- Registered dietician
- Red seal chef
- Support staff
- Academic tutor



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#### **Target population**

- 12- 24 years of age
- Alberta wide
- Primary diagnosis anorexia nervosa or bulimia nervosa
- Medically stable
- Willing to attend and participate in treatment
- Committed to treatment, along with participation of family
- Live there from weeks to several months

NO BARRIERS TO TREATMENT



# **Medical stability**

- BMI>16
- Heart rate > 50 bpm at daytime, >45 bpm at nighttime
- Orthostatic vital sign changes no higher than 35 HR or > 20 mm
   Hg systolic or
- 10 mm Hg
- Systolic/diastolic BP > 90/45 mm Hg
- Body temperature > 35.6 C
- No acute or severe abnormalities on ECG
- No acute complications such as syncope, seizures, cardiac failure, renal failure, severe gastrointestinal distress, hepatitis, hematemesis, or severe deconditioning
- Not pregnant
- No significant electrolyte abnormalities

#### **Medical care**

- Comprehensive medical monitoring is essential due to the physical complications associated with eating disorders. This includes regular medical assessments, nutritional support, and mental health evaluations. Medical monitoring 24 hours a day.
- Medication management may be provided to address co-occurring mental health issues such as anxiety, depression, or obsessive-compulsive disorder.



#### **Nutritional support and education**

- Registered dietitians work with residents to create healthy meal plans, address distorted beliefs about food, and rebuild a balanced relationship with eating.
- Provision of meal support and supervision to ensure proper nutrition and model healthy eating patterns.

### Therapeutic intervention

- Individual therapy
- Group therapy
- Family therapy



& hot topics

# TREATMENT CENTRE: INTRODUCTION

### **Treatment goal**

- **Stabilization**: Address acute medical and psychological issues to stabilize the patient and prevent decline.
- Symptom reduction: Work towards reducing eating disorder behaviors and improving eating habits.
- Weight restoration: For those who are underweight, the goal is to achieve and maintain a healthy weight and achieve nutritional rehabilitiation.
- Psychological healing: Address underlying patients psychological issues contributing to the disorder.
- Family/caregiver involvement: Foster a supportive home environment conducive to long-term recovery and address family dynamics and patterns.
- **Skill building**: Equip patients with skills to manage life stresses without resorting to disordered eating behaviors.
- **Preparation for discharge**: Ensure a smooth transition back to daily life with a comprehensive aftercare plan (and knowledge they can return if needed).

### Life skills & educational support

- The program includes life skills training such as stress management, emotional regulation, and social skills development.
- Academic support is available to assist younger patients with their continued education while in treatment.



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### Window of opportunity

- Conflict at home
- Throwing food
- Good days but persistent restriction of food
- Use of laxatives/diuretics/diet pills, purging, excessive exercise or restriction
- Difficulty gaining weight
- Need a respite from home
- Prevent hospitalization
- Guide parents on "the window of opportunity"



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#### Primary care referral process

- Intake form complete and sent directly to Edgewood Health Network Sandstone (sandstoneadmissions@ehncanada.com)
- If you have questions pls call 587-350-6818
- Medical Doctor contact:
   Andrea.robb@albertahealthservices.ca
- Primary Care Provider Referral (+ willing to resume care at time of patient discharge)
- Community Navigator Silver Linings
   Foundation
- Patient interest to change/recover
- Family and caregiver involvement
- Expectation to complete meals



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Marlies van Dijk, RN, MSc. Executive Director Calgary Silver Linings Foundation

hello@silverliningsfoundation.ca



#### Title: The pain problem



#### **Financial sponsors**

- No industry affiliations
- Teaching honoraria from ACFP, University of Calgary, CBT Canada
- Grant from Hotchkiss Brain Institute (U of C) and Alberta Innovates for a pilot clinical trial of a medication for opioid withdrawal; CIHR Transforming Health with Integrated Care (THINC) grant
- Medical leadership role, AHS

#### Lori Montgomery MD CCFP FCFP CHE

Clinical Associate Professor, Cumming School of Medicine, Department of Family Medicine, Department of Anesthesiology, Perioperative and Pain Medicine

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# Learning objectives

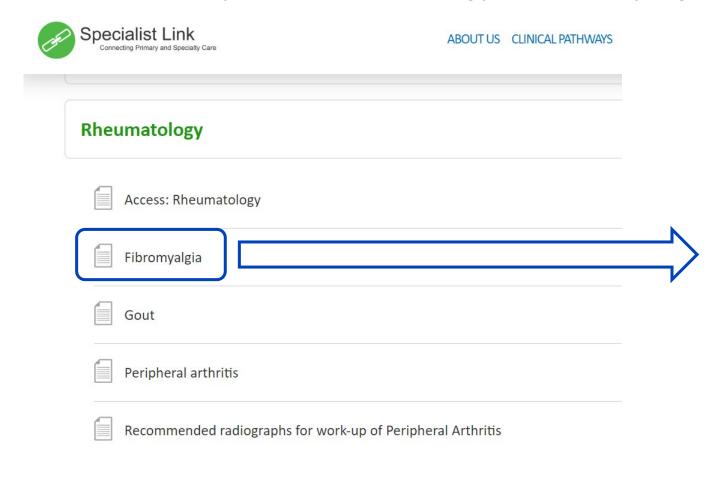
- Build confidence diagnosing fibromyalgia
- Explain the implications of a diagnosis to a patient
- Outline an evidence-based treatment approach for fibromyalgia
- Access a clinical pathway for fibromyalgia and a toolkit of useful resources

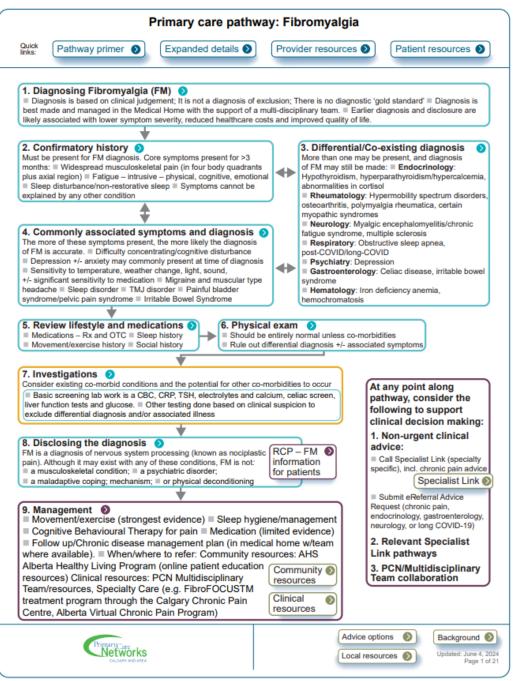


#### THE PAIN PROBLEM: PATHWAY

#### specialistlink.ca

#### Clinical pathways > Rheumatology > Fibromyalgia





#### THE PAIN PROBLEM: SUMMARY

### About fibromyalgia

- Prevalence ranges from 3-8% around the world
- 40% of patients referred to a tertiary pain clinc in one study
- Increasingly, specialty services are declining referrals

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Bhargava J, Hurley JA. Fibromyalgia. [Updated 2023 Jun 11]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2023 Jan-Available from: <a href="https://www.ncbi.nlm.nih.gov/books/NBK540974/">https://www.ncbi.nlm.nih.gov/books/NBK540974/</a>

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# Myth

- Women to men 7:1
- A relentlessly progressive disease
- A rheumatologic disease



# Reality

- Likely closer to 3:1
- Remitting/relapsing course, possibly with gradual improvement
- A nociplastic pain condition

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Pain that arises from <u>altered nociception</u> despite no clear evidence of actual or threatened tissue damage causing the activation of peripheral nociceptors or evidence for disease or lesion of the somatosensory system causing the pain.

i.e., This is a disorder of the central nervous system

### THE PAIN PROBLEM

# What fibromyalgia is not

- A musculoskeletal disorder
- A psychiatric disorder
- A maladaptive coping mechanism
- A result of physical deconditioning



#### THE PAIN PROBLEM

#### **Diagnosis**

- Not a diagnosis of exclusion
- Many things on the differential can be ruled out by history and physical exam
- It has a typical clinical picture



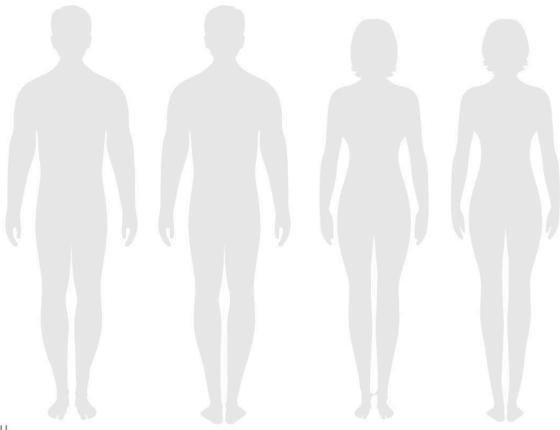
# THE PAIN PROBLEM: WIDESPREAD PAIN INDEX

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#### **Body map**

#### Body map

Use the figures to record where pain occurs in detail. Shade the areas of your body where you have felt persistent or recurrent pain for the past 3 months or longer (chronic pain).

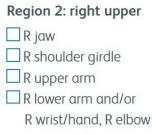


#### Calculating the WPI score

Use this checklist to calculate the widespread pain index (WPI) score. Tick the areas where you have had chronic pain for 3 months or longer.

# Region 1: left upper L jaw L shoulder girdle L upper arm L lower arm and/or

L wrist/hand, L elbow







# THE PAIN PROBLEM: SCALE

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SV	mptom	severity	v scale	(SSS)
	1111000111		,	(/

Have your problems with the symptoms below been present for 3 months or more?

Yes

No

If yes, using the following scale, indicate the severity of each symptom over the past week by circling the appropriate number.

	No problem	Mild	Moderate	Severe
Fatigue	0	1	2	3
Trouble thinking or remembering	0	1	2	3
Waking up tired (unrefreshed)	0	1	2	3

#### During the past 6 months, have you had any of the following symptoms?

Pain or cramps in lower abdomen

Depression

Headache

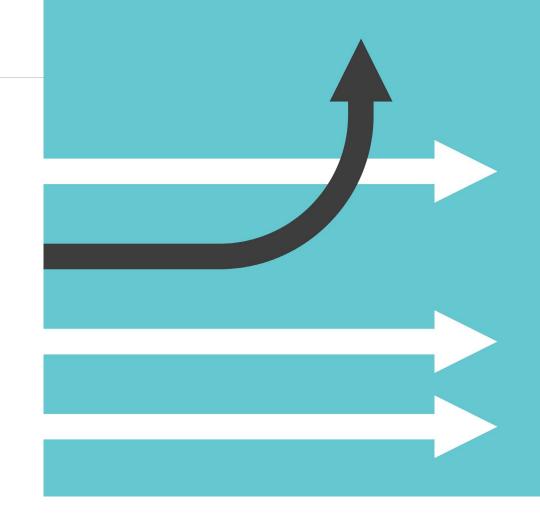
Total score\* for the SSS

- Yes No
  Yes No
  Yes No
- Also associated: TMJ dysfunction, painful bladder syndrome, IBS, sensitivity to light, sound, temperature, and medication side effects
- The higher the score, the more likely that FM is the sole explanation for symptoms

### THE PAIN PROBLEM:

#### Differential diagnosis (can co-exist!)

- Inflammatory/rheumatologic conditions, such as SLE, Rheumatoid Arthritis, Polymyalgia Rheumatica
- Hypermobility spectrum disorders
- Multiple Sclerosis
- Neuropathies/myopathies
- Obstructive sleep apnea
- Hypothyroidism
- Depression
- Post-viral syndromes
- Chronic fatigue syndrome/myalgic encephalitis
- Drug side effects (aromatase inhibitors, lipid lowering agents, high dose opioids)



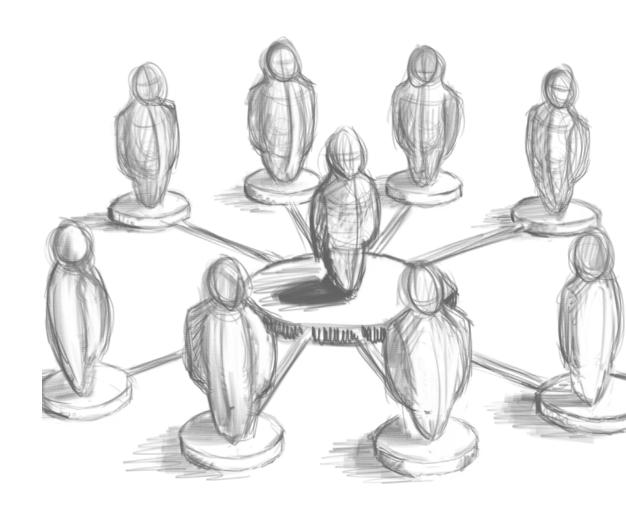
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### Consider asking for advice if:

- There are complex multiple health conditions clouding diagnostic certainty
- There are symptoms requiring further investigation outside your scope of practice (LP, NCS, etc)

### **Calgary Zone supports:**

- Specialist Link rheumatology
- Specialist Link chronic pain
- Specialist Link neurology
- Specialist Link general internal medicine
- eAdvice via Netcare (anywhere in AB)



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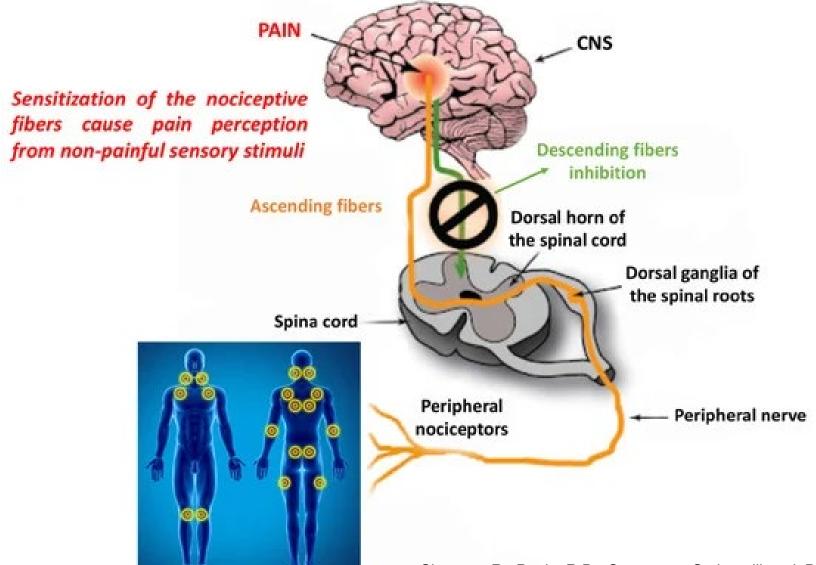
#### Consider:

- Education about the disorder is the first priority
- Evidence is clear that pain science education (PSE) is a treatment that should be started early



#### THE PAIN PROBLEM: PAIN SCIENCE EDUCATION

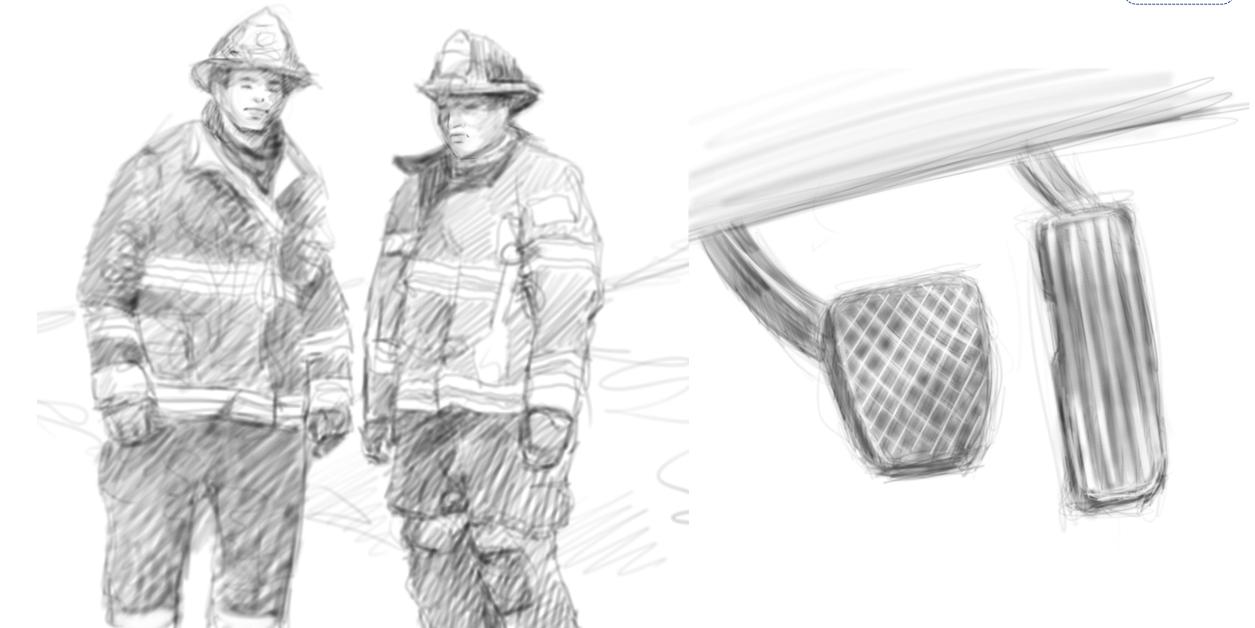
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Siracusa, R.; Paola, R.D.; Cuzzocrea, S.; Impellizzeri, D. Fibromyalgia: Pathogenesis, Mechanisms, Diagnosis and Treatment Options Update. *Int. J. Mol. Sci.* **2021**, 22, 3891. https://doi.org/10.3390/ijms22083891

# THE PAIN PROBLEM: PAIN SCIENCE EDUCATION

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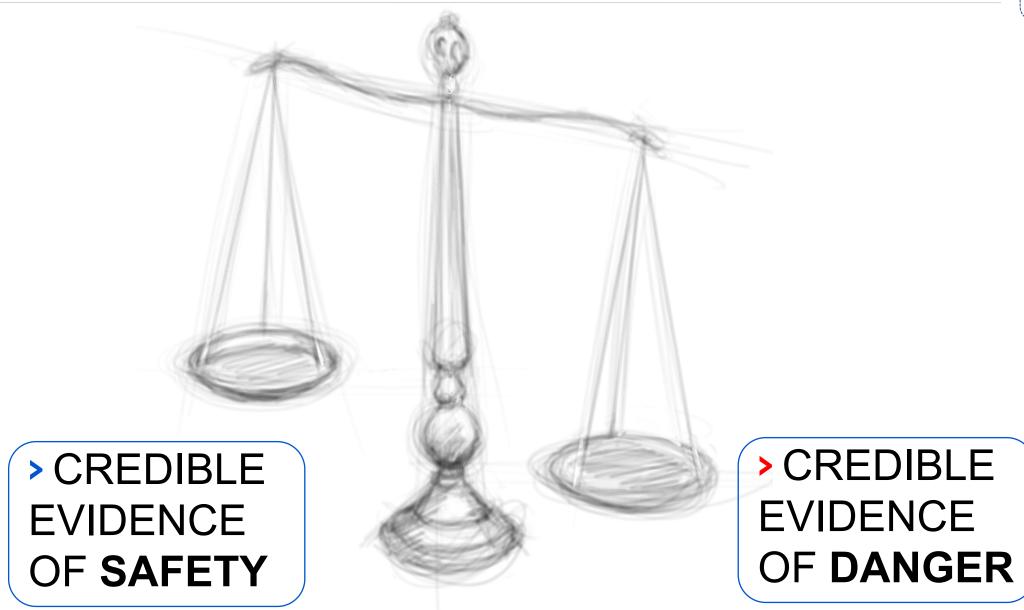
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# > 1. PAIN IS PROTECTIVE



# THE PAIN PROBLEM: IN SUMMARY

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> 1. PAIN IS PROTECTIVE

> 2. PERSISTENT PAIN IS OVERPROTECTIVE



#### THE PAIN PROBLEM: IN SUMMARY

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> THE PAIN EXPERIENCE IS DRIVEN BY THE BRAIN'S **PERCEIVED**NEED TO PROTECT



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- > 1. PAIN IS PROTECTIVE
- > 2. PERSISTENT PAIN IS OVERPROTECTIVE
- > 3. MANY THINGS IMPACT PAIN, SO MANY THINGS CAN HELP



> EVIDENCE-BASED TREATMENT PLAN

**Bottom line: Rx** 

- SNRIs
- Gabapentinoids
- TCAs
- Avoid opioids: Taper if possible, but do not insist on a taper
- Maybe low dose naltrexone?
- Maybe muscle relaxants for short-term flares?
- Maybe nabilone for sleep?

Mascarenhas RO, Souza MB, Oliveira MX, et al. Association of Therapies With Reduced Pain and Improved Quality of Life in Patients With Fibromyalgia: A Systematic Review and Meta-analysis. *JAMA Intern Med.* 2021;181(1):104–112. doi:10.1001/jamainternmed.2020.5651



> EVIDENCE-BASED TREATMENT PLAN

#### **Bottom line: Rx**

- A good trial of daily medications will typically last three months
- Once a patient is stable on pain medications, consider a trial taper after a year
- Reframe 'breakthrough pain' as a <u>flare</u>, and look for a trigger



Mascarenhas RO, Souza MB, Oliveira MX, et al. Association of Therapies With Reduced Pain and Improved Quality of Life in Patients With Fibromyalgia: A Systematic Review and Meta-analysis. *JAMA Intern Med*. 2021;181(1):104–112. doi:10.1001/jamainternmed.2020.5651

> EVIDENCE-BASED TREATMENT PLAN

#### **Bottom line: Rx**

- CBT has been shown to be effective in more than 40 RCTs
- Recently, further work has looked at types of CBT (traditional vs. exposurebased) and found them equally effective
- Internet-delivered CBT appears equally effective compared to in-person



Maria Hedman-Lagerlof et al, Effect of exposure-based vs traditional cognitive behavior therapy for fibromyalgia: a two-site single-blind randomized controlled trial, *Pain* 2024 (in press)

> EVIDENCE-BASED TREATMENT PLAN

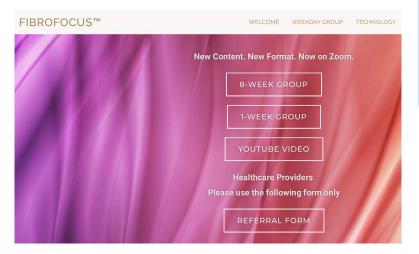
#### **Bottom line: Rx**

- Every systematic review of exercise for fibromyalgia is positive
- There is no evidence that one type of exercise is better than another
- Aerobic, strengthening and mobility exercises are all effective
- Adherence to a program of regular low-intensity activity is likely best



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- > 4 PCNs have multidisciplinary teams that can help with the management of fibromyalgia
- > Alberta virtual chronic pain program: 1-877-719-7707
- > 811 Health Link rehabilitation advice line: 1-833-379-0563
- > www.poweroverpain.ca >
- > fibrofocus.com >









Q&A

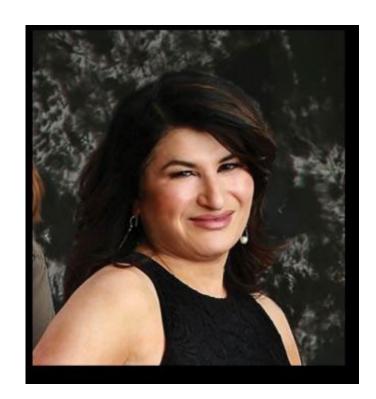
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#### PRESENTER: DISCLOSURE/CONFLICTS

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**Title:** Pilot health – duty to report



#### **Financial sponsors**

■ N/A

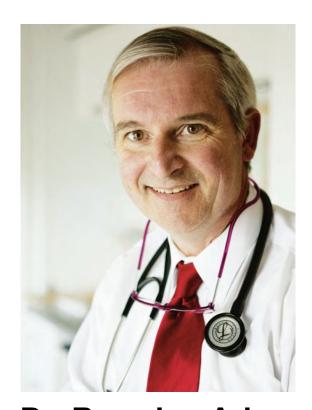
#### Potential for conflict(s) of interest:

■ Co-owner, YBW Aeromedical Clinic

**Dr. Mindy Gautama** 

B.Sc. MD CCFP FCFP ACBOM CAME (TC) AME (FAA)

**Title:** Pilot health – duty to report



#### **Financial sponsors**

■ N/A

#### Potential for conflict(s) of interest:

■ Physician contractor, YBW Aeromedical Clinic

**Dr. Brendan Adams**BSc MSc MD CCFP FCFP FCBOM CAME SAC (Addiction Medicine) ABAM

# PILOT HEALTH: INTRODUCTION

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# **YBW Aeromedical Clinic**



Dr. Brendan Adams | Dr. Scott Forsyth | Dr. Mindy Gautama

#### PILOT HEALTH: CASE STUDY

#### The case study:

Keith is a 34-year-old commercial pilot; a patient for the past decade. You've known him to be a caring and involved father, husband and professional – albeit a bit anxious at times.

He presents for a scheduled visit to discuss "anxiety medication." He reports lifelong anxiety, "just like my dad and other family members."

He has been seeing a therapist for years, employing strategies to try to control his worries. He states that anxiety never impacts his job: "I'm hyper-focused when I fly and don't get anxiety at all."

Keith reports that other family members on medication have found it transformational but he has avoided considering it, for fear of the impact it might have on his job.



### PILOT HEALTH: THE ACT

#### **Aeronautics Act 6.5**

Where a physician or an optometrist believes on reasonable grounds that a patient is a flight crew member or air traffic controller or other holder of a Canadian aviation document that imposes standards of medical or optometric fitness, the physician or optometrist, shall, if in his opinion the patient has a medical or optometric condition that is likely to constitute a hazard to aviation safety, inform a medical adviser designated by the Minister forthwith of that opinion and the reasons therefor.



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#### **Aeronautics Act 6.5**

No legal, disciplinary or other proceedings lie against a physician or optometrist for anything done by him in good faith in compliance with this section



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# What does this mean practically?

Common conditions that may be disqualifying...

- Depression
- ADHD
- Diabetes
- Cardiac disease
- Alcohol and substance use disorder



# PILOT HEALTH: CONTACTS

# Who you gonna call?

# Civil Aviation Medicine Transport Canada RAMOs

Prairies and Northern Region

1-800-305-2059

780-495-3848



### PILOT HEALTH: CONTACT US

#### **List of CAMEs:**

https://wwwapps.tc.gc.ca/Saf-Sec-Sur/2/CAME-MEAC/I.aspx



## **YBW Aeromedical Clinic**

403-269-5323

- sforsyth@aviationdoc.com
- mgautama@aviationdoc.com
- brendanadams231@gmail.com
- office@aviationdoc.com



Q&A

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primary care





**Dr. Christine Luelo**Family physician,
Medical Director,
Calgary Zone Business Unit

# **Financial sponsors**

- Fee for service for clinical work
- Contract for Calgary area PCNs

### Potential for conflict(s) of interest:

None

# Alberta Surgical Initiative / Facilitated Access to Specialized Treatment (FAST)

Spine surgery referrals:

- Spine referrals paused; revert to original process (send to individual spine clinics / surgeons)
- If new spine referrals are sent to FAST, there will be a fax sent back to clinic rejecting referral
- Note: FAST referral form still says 'spine,' which is confusing; Specialist Link ortho access pathway updated to reflect change
- Check out the low back pain pathway on specialist link



# Alberta Surgical Initiative / Facilitated Access to Specialized Treatment (FAST)

In happier news!

#### Other FAST referrals:

- Ortho, general surgery, urology, vascular surgery continue through FAST central referral
- Adult gynecology came online June 10
- Check out updated clinical pathways to assist in your care prior to or while awaiting consult



## Other Specialist Link updates

- Urology conversations continuing re: the fax issue and access in general
- Important updates to headache & migraine pathway and neurology access pathway
  - FPSI clinics
- Updates to alcohol use disorder pathway
- \*New\* fibromyalgia pathway

specialistlink.ca



### Automated pathway pilot opportunity

- Clinics sought for Mikata initiative
- Pilot to focus on headache & migraine, maternity pathways
- Remuneration available for physicians
- Must have Telus Med Access, PS Suite or QHR Accuro EMR



# Gastroenterology and general surgery overlap

- Abnormal imaging of the GI tract and rectal bleeding reasons for referral overlap
- GI CAT and GS in Calgary have started an initiative to share referrals based on fastest provider for this reason for referral based on information provided



# The Opioid Crisis is NOT over ... a refresher on tools

- Safe prescribing remember Phil the plumber?
- OAT prescribing
- Check out our March 13, 2023 webinar recording (Specialist Link > Primary care news & webinars)
- vodp.ca patients can self-refer for help
- Deprescribing
  - https://cumming.ucalgary.ca/cme/courses/online-self-learning/wiseprescribing-and-deprescribing
- ACFP tools
  - https://acfp.ca/research-and-tools/opioid-response/resources/



### **Choosing Wisely tip of the month**

- Overdiagnosis of UTI is one of the most common reasons for unnecessary use of antibiotics in LTC
- Ditch the dipstick in older adults!
- Instead, if you suspect UTI send a urine to lab for culture
- Check out their other great tools and suggestions for stopping low value care



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## **Connect Care update**

- Work underway under the advocacy of the NACPAG group to fix the duplicates!
  - Early 2025 we are told fixes should be in place to correct inbox issues
  - Meanwhile stay tuned for more information on interim cleanup strategies for mixed context users
  - And duplicate lab order merge should happen by July 22, 2024
- For mature minors myAHSconnect allows for proxy access for age 12-18
  - Different from myhealthrecords portal (proxy for under age 14)
  - Talk to the AHS based provider to block proxy access

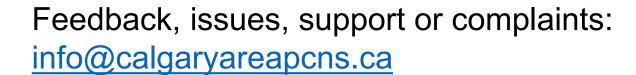


#### WEBINAR SERIES: TILL NEXT TIME

### Thank you for attending!

Survey for Mainpro+ credits:

https://survey.alchemer-ca.com/s3/50263161/Calgary-Zone-Primary-Care-Webinar-Survey-June-2024



#### **Next webinar:**

Monday, September 23: Potential topics include neurodiversity, skin cancer



