ANXIETY IN THE ELDERLY

Synergize
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Presenter disclosures

Faculty: Dallas Seitz

Relationships with commercial interests:

- Grant Support: Canadian Institutes of Health Research, Alzheimer's Association,
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Potential for conflict(s) of interest:

NONE

Objectives

- Review the epidemiology of anxiety disorders in older adults.
- Describe some presentations of anxiety disorders and tools for assessment.
- 3. Review evidence-based treatment options for anxiety disorders in older adults.

Anxiety Disorders

- □ *Generalized Anxiety Disorder
- Phobias
- □ Panic disorder
- Agoraphobia
- □ Post-traumatic stress disorder

- Obsessive Compulsive Disorder (now considered to be separate from anxiety disorders)
- Hoarding disorder (new in DSM 5 included with OCD)

Prevalence of Mental Disorders

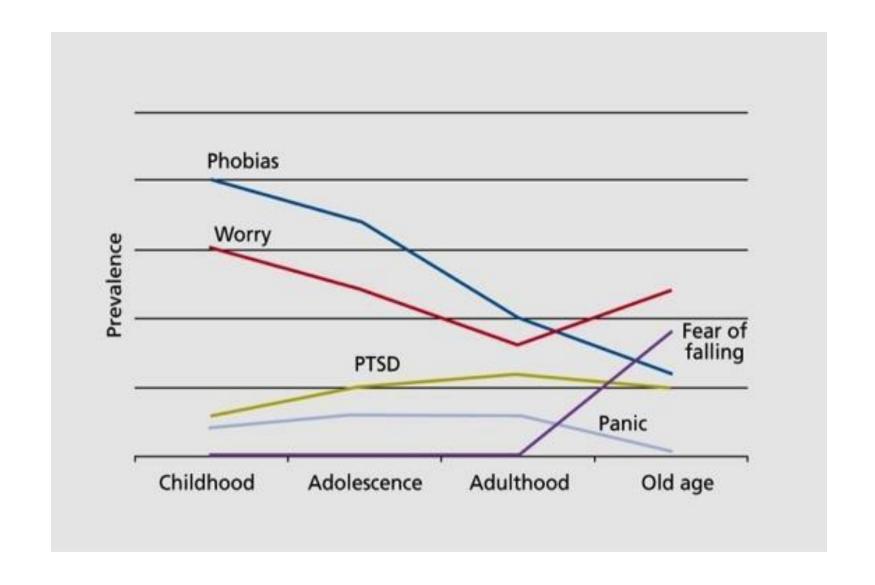
| | ECA 12m n=5,702 | NCS-R 12m n=1,461 | ESA 12m N=2,798 |
|----------|-------------------------------|------------------------------------|---------------------------------|
| 5.0-7.0% | Any Anxiety d/o | Any Anxiety d/o | Any Anxiety d/o |
| 4.0-4.9% | Phobia | Phobia | |
| 3.0-3.9% | | | |
| 2.0-2.9% | | MDE Social phobia | Phobia Psychotropic dependency |
| 1.0-1.9% | Dysthymia | GAD | GAD MDE |
| 0-0.9% | Panic Manic Subst OC MDE Schz | Panic BAD Dysthymia Subst | Panic Manic Social phobia |

Prevalence of Mood and Anxiety Disorders in Younger and Older Adults

| | Any disorder | MDE | Anxiety |
|----------------------------------------------------------|-----------------------------------|--------------------------------|-----------------------|
| ECA, 1 year prevalence, n=5,702 65+ 45-64 25-44 | 12.3% 13.3% 17.3% | 0.7% 2.0% 3.0% | 5.5% 6.5% 8.3% |
| Edmonton, 6m prev., n=358 65+ All adults | 10.9% 17.1% | 1.2% 3.2% | 3.5% 6.5% |
| NCS-R, 1 year prev, n=1,461 65+ 45-64 | 8.5% 22.4% | 2.3% 6.5% | 7.0 % 18.7% |
| CDC 2006, Current, n=? 65+ 55-64 | "Freq Mental Distress" 6.5% 11.1% | Based on PHQ: 5.0% 9.4% | |

Prevalence estimates of late-life anxiety disorders from epidemiological studies

| | | Epide | miological st | udies in the el | derly | NCS-R |
|-------------------------------|-------|-------|---------------|-----------------|-------------------------------------|----------|
| | LASA | ECA | AMSTEL | NMHWS | CCHS | (adults) |
| N | 3,107 | | 4,051 | 1,792 | 12,792 | 9,282 |
| Age range | 55-85 | 65+ | 65-84 | 65+ | 55+ | 18+ |
| Prevalence | | | | | | |
| Any anxiety disorder | 10.2% | 5.5% | N/A | 4.4% | N/A | 18.1% |
| Generalized anxiety disorder | 7.3% | 1.9% | 3.2% | 2.4% | N/A | 3.1% |
| Phobic disorder | 3.1% | 4.8% | N/A | 0.6% (social) | 1.3% (social) 0.6% (agoraphobia) | 8.7% |
| Panic disorder | 1.0% | 0.1% | N/A | 0.8% | 0.8% | 2.7% |
| Obsessive-compulsive disorder | 0.6% | 0.8% | N/A | 0.1% | N/A | 1.0% |
| Posttraumatic stress disorder | N/A | N/A | | 1.0% | N/A | 3.5% |



Shared and distinct clinical features of anxiety disorders

| | Situational fear | Situational avoidance | Autonomic arousal | Anticipatory worry | Obsessions and compulsions | Panic attacks |
|------------------------------------------------------|---------------------|-----------------------|-------------------|--------------------|----------------------------|------------------|
| Panic disorder | X | X | X | X | | X |
| Social and specific phobia and agoraphobia | Х | X | X | X | | X |
| Obsessive- compulsive disorder | X | X | | X | X | |
| Generalized anxiety disorder | | | | X | | |
| Posttraumatic stress disorder, acute stress disorder | X | X | X | X | | |

Course of Anxiety Disorders

- Course tends to be persistent in many individuals
 - 80% of phobic disorders persist after 3 years
 - □ 50% of GAD persists after 3 years
- Most commonly anxiety disorders continue as anxiety disorders, 25% will develop mood disorders

Risk Factors

- Female
- Chronic medical conditions
- Single, divorced, separated (vs. married)
- Lower education
- Poor perceived health
- Stressful life events
- Disability

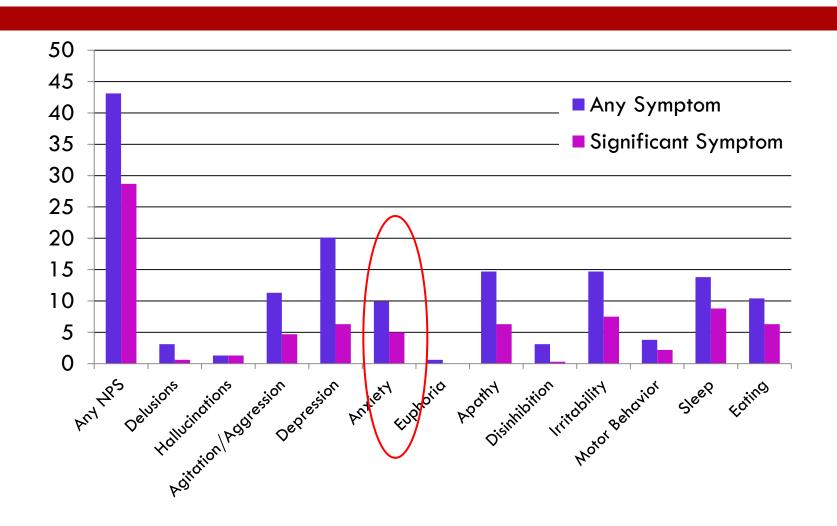
Psychiatric Comorbidity

- 20 to 40% of individuals with anxiety disorder will have comorbid depression
- 20 to 40% of older adults with depression will have comorbid anxiety
- MDD + GAD associated with worse outcomes than either alone
- Either can occur alone but more commonly longstanding GAD precedes MDD

Medical Conditions Associated with Anxiety

Cardiac Coronary artery disease, angina, arrhythmias, non-specific chest pain Respiratory COPD Vestibular disorders/vertigo **Neurological conditions** Parkinson's disease (on-off phenomenon with anxiety) Pain syndromes Gastrointestinal symptoms (IBS) **Endocrine** Diabetes, thyroid dysfunction

Prevalence Anxiety in MCI

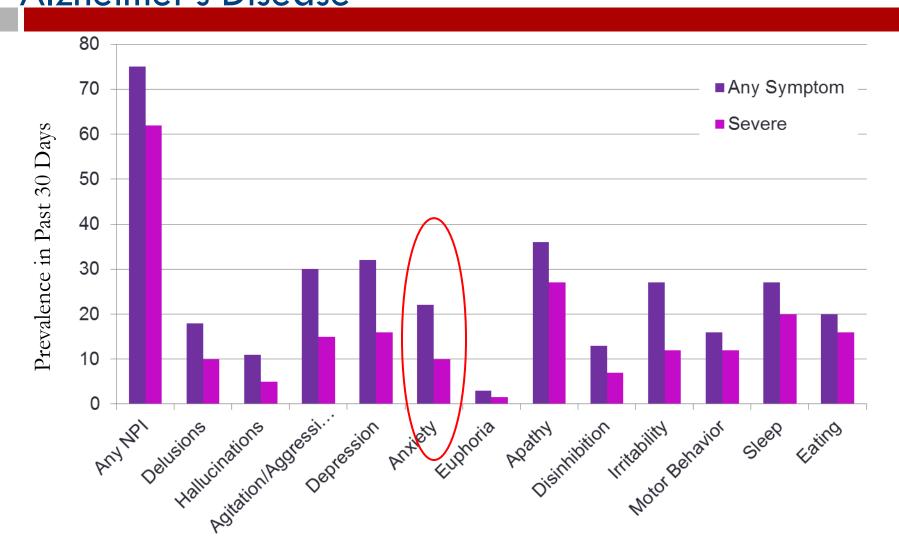


Anxiety in MCI and AD Conversion

- \square Each symptom of anxiety in MCI increases risk of AD conversion by HR = 1.8^{1}
 - □ Persistent worrying (HR = 5.3), decision making (HR = 5.6)
 - MCI Conversion over 3 years:
 - No anxiety: 40.9%
 - Anxiety: 83.3%

- 1. Palmer, Neurology, 2007
- 2. Palmer, J Alz Dis, 2010
- 3. Gabryelewicz, Int J Geriatr Psychiatry, 2007

Prevalence of Neuropsychiatric Symptoms in Alzheimer's Disease



Medications and Substances Associated with Anxiety

- □ Caffeine*
- Alcohol
- Sedative/BZD withdrawal
- Adrenergic medications (e.g B-agonists)
- Corticosteroids
- □ Thyroid hormones

Generalized Anxiety Disorder

- □ DSM 5 criteria
- Excessive anxiety and worry (apprehensive expectation), occurring for 6 months, about number of events
- Difficulty controlling worry
- Three or more associated symptoms:
 - Restlessness, "keyed up"
 - Easily fatigued
 - Difficulties with concentration
 - Irritability
 - Muscle tension
 - Sleep problems

AND I C REST

| | DSM-IV-TR CORRELATES | SUGGESTED SCREENING QUESTIONS | | | | |
|---|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| A | Anxious, nervous, or worried on most days about a number of events or activities | Do you feel anxious, nervous, or worried most of the time? Do you worry about several things? | | | | |
| N | No control over the worry | Do you find it difficult to control the worry? | | | | |
| D | Duration of 6 months | How long has this worrying been a problem for you? | | | | |
| I | Irritability | Do you find that you are more irritable than usual? Do you find that you are more easily frustrated by others than usual? | | | | |
| C | Concentration impairment | Are you having any troubles with concentration? Do you find your mind going blank at times? | | | | |
| R | Restlessness | Are you feeling restless, fidgety, or that you can't sit still? | | | | |
| E | Energy decreased | Are you feeling more tired than usual? Do you find that you are tiring more easily? | | | | |
| S | Sleep impairment | Are you having any difficulties in falling asleep or staying asleep? | | | | |
| T | Tension in muscles | Do your muscles feel tense? Do you feel wound up like a spring? | | | | |

Phobias

- □ All phobias:
 - Provoke fear out of proportion to actual threat
 - Avoidance of situations
- □ Social Phobia:
 - Fear of social situations that may be associated with scrutiny
- \square Specific Phobias (most common anxiety d/o)
 - elderly: being alone

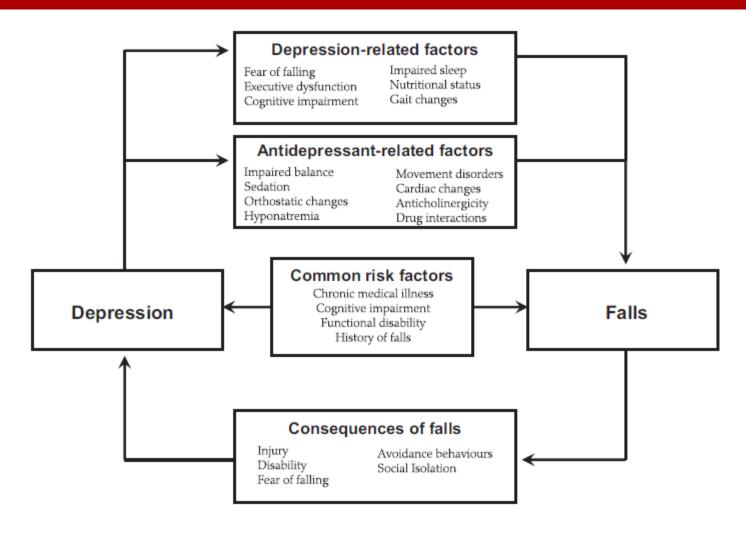
Panic Disorder

- Panic attacks, surge of symptoms often peaking within minutes (can last hours)
 - Dizzy/unsteady/lightheaded, palpitations, sweating, shaking, SOB, choking, chest pain, nausea, dizzy, chills/flushed, parethesias
 - Worry about consequences of panic attacks
 - Behavioral change (avoidance)

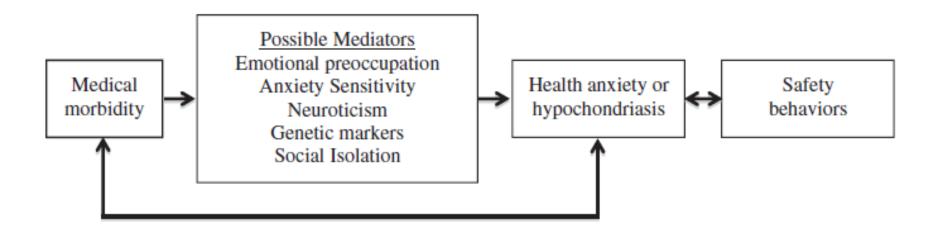
Agoraphobia

- Fear or avoidance of situation where escape may be difficult if panic attacks occur or embarrassing symptoms might occur
- □ Do not need panic-attacks (change in DSM 5)
- □ Fear of falling
 - 12 to 40% of community dwelling elderly without falls, 90% of individuals with falls
- □ Incontinence in elderly

Fear of Falling



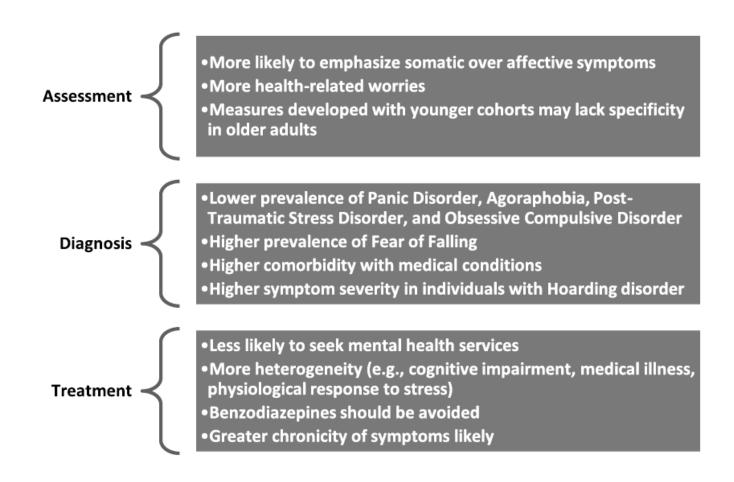
Health Anxiety



Screening Questions

| Disorder (Symptom Summary) | Useful Screening Questions |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Generalized anxiety disorder (diffuse constant anxiety and worry for >6 months) | Are you a worrier? Do you worry too much about the "what ifs" in life? Is it hard to stop the worrying? Does worrying keep you from falling asleep or feeling rested at night? Does your worry cause headaches, body aches, or tension? |
| Phobias | |
| Agoraphobia (fear of being trapped in a place from which escape might be difficult; anxiety might occur) | Are you afraid of being alone and unable to get help? Do you avoid doing things such as leaving your home because of this fear? Does a fear of falling stop you from doing things? |
| Social phobia (fear of social embarrassment) | Do you worry in social situations that people will judge you negatively? Do you avoid social situations because of that fear? |
| Specific phobia (fear of specific object or situation) | Do you fear anything specifically, such as animals, storms, or heights? Do you avoid being in situations where you might encounter this? |
| Panic disorder (episodic overwhelming anxiety and autonomic signs) | Do you have sudden, overwhelming body anxiety, with shortness of breath, sweating, or tightness in your chest lasting several minutes? |
| Post-traumatic stress disorder (traumatic event re-experienced, creating anxiety) | Do you have anxiety related to a trauma, causing you to have nightmares or flashbacks? |
| Obsessive-compulsive disorder (intrusive thoughts and repetitive behaviours) | Do you ever have a thought* or image that goes around in your mind like a "broken record" and is difficult to stop? |

Anxiety in Older Adults



Anxiety Rating Scales

- Can be useful for patient education, helpful in measuring changes over time
- Use an anxiety specific measure!
 - Often people will score low on depression screening tool but can have high anxiety
 - Anxiety symptoms can change or improve independent of depression

Penn State Worry Questionnaire

| | | Not at all ty of me | pical | | | Very typical of me |
|-----|----------------------------------------------------------------------------------------|------------------------|-------|---|---|--------------------|
| 1. | If I do not have enough time to do everything, I do not worry about it. | 1 | 2 | 3 | 4 | 5 |
| 2. | My worries overwhelm me. | 1 | 2 | 3 | 4 | 5 |
| 3. | I do not tend to worry about things. | 1 | 2 | 3 | 4 | 5 |
| 4. | Many situations make me worry. | 1 | 2 | 3 | 4 | 5 |
| 5. | I know I should not worry about things, but I just cannot help it. | 1 | 2 | 3 | 4 | 5 |
| 6. | When I am under pressure I worry a lot. | 1 | 2 | 3 | 4 | 5 |
| 7. | I am always worrying about something. | 1 | 2 | 3 | 4 | 5 |
| 8. | I find it easy to dismiss worrisome thoughts. | 1 | 2 | 3 | 4 | 5 |
| 9. | As soon as I finish one task, I start to worry about everything else I have to do. | 1 | 2 | 3 | 4 | 5 |
| 10. | I never worry about anything. | 1 | 2 | 3 | 4 | 5 |
| 11. | When there is nothing more I can do about a concern, I do not worry about it any more. | 1 | 2 | 3 | 4 | 5 |
| 12. | I have been a worrier all my life. | 1 | 2 | 3 | 4 | 5 |
| 13. | I notice that I have been worrying about things. | 1 | 2 | 3 | 4 | 5 |
| 14. | Once I start worrying, I cannot stop. | 1 | 2 | 3 | 4 | 5 |
| 15. | I worry all the time. | 1 | 2 | 3 | 4 | 5 |
| 16. | I worry about projects until they are all done. | 1 | 2 | 3 | 4 | 5 |

Worry Cognitive Symptoms

Mild: 16-39

Moderate: 40 - 59

Severe: 60-80

Beck Anxiety Inventory

| | Not At All | Mildly but it | Moderately - it | Severely – it |
|-------------------------|------------|------------------|--------------------|-------------------|
| | | didn't bother me | wasn't pleasant at | bothered me a lot |
| | | much. | times | |
| Numbness or tingling | 0 | 1 | 2 | 3 |
| Feeling hot | 0 | 1 | 2 | 3 |
| Wobbliness in legs | 0 | 1 | 2 | 3 |
| Unable to relax | 0 | 1 | 2 | 3 |
| Fear of worst | 0 | 1 | 2 | 3 |
| happening | | | | |
| Dizzy or lightheaded | 0 | 1 | 2 | 3 |
| Heart pounding/racing | 0 | 1 | 2 | 3 |
| Unsteady | 0 | 1 | 2 | 3 |
| Terrified or afraid | 0 | 1 | 2 | 3 |
| Nervous | 0 | 1 | 2 | 3 |
| Feeling of choking | 0 | 1 | 2 | 3 |
| Hands trembling | 0 | 1 | 2 | 3 |
| Shaky / unsteady | 0 | 1 | 2 | 3 |
| Fear of losing control | 0 | 1 | 2 | 3 |
| Difficulty in breathing | 0 | 1 | 2 | 3 |
| Fear of dying | 0 | 1 | 2 | 3 |
| Scared | 0 | 1 | 2 | 3 |
| Indigestion | 0 | 1 | 2 | 3 |
| Faint / lightheaded | 0 | 1 | 2 | 3 |
| Face flushed | 0 | 1 | 2 | 3 |
| Hot/cold sweats | 0 | 1 | 2 | 3 |
| Column Sum | | | | |

Panic-like symptoms

Mild: 0-21

Moderate: 22-35

Severe: > 35

Geriatric Anxiety Inventory

- 1. I worry a lot of the time.
- I find it difficult to make a decision.
- 3. I often feel jumpy.
- I find it hard to relax.
- 5. I often cannot enjoy things because of my worries.
- Little things bother me a lot.
- 7. I often feel like I have butterflies in my stomach.
- 8. I think of myself as a worrier.
- 9. I can't help worrying about even trivial things.
- 10. I often feel nervous.
- 11. My own thoughts often make me anxious.
- 12. I get an upset stomach due to my worrying.
- 13. I think of myself as a nervous person.
- 14. I always anticipate the worst will happen.
- I often feel shaky inside.
- 16. I think that my worries interfere with my life.
- 17. My worries often overwhelm me.
- 18. I sometimes feel a great knot in my stomach.
- 19. I miss out on things because I worry too much.
- I often feel upset.

Cut-off: ≥ 10

Sensitivity: 88%

Specificity: 99%

Treatments

- Psychotherapy
- Pharmacotherapy

- Medications are more effective than psychotherapy in acute treatment
- Combination of both medications and psychotherapy most effective overall
- Compliance with either treatment modality is a major treatment barrier

Psychoeducation

- Include both patient and family
- Importance of treating anxiety for quality of life
 - Link to problems caused by anxiety
- Review relationship between stress and health
- Encourage exercise



Psychotherapy Anxiety Disorders

- □ Cognitive Behavioral Therapy*
- □ Relaxation Therapy*
- □ Problem-Solving Therapy

Cognitive Behavioral Therapy

- Cognitive Behavioral Therapy has the most consistent evidence for anxiety disorders in elderly
- Start with relaxation-based strategies first!
 - Probably most important component of CBT
 - Cognitive restructuring can be difficult with older adults

CBT for Generalized Anxiety

CBT vs. Wait List: Effect size: 0.44 (0.04 to 0.84)

Review: Cognitive beharioural therapy for anxiety disorders in later life

Comparison: 01 CBT versus waiting list Outcome: 01 Effect on anxiety level

| Study or sub-category | N | Treatment mean (SD) | N | Control mean (SD) | | SMD (fixed) 95% CI | Weight % | SMD (fixed) 95% C I |
|------------------------------------|--------------|-------------------------|----|----------------------|--------------|-----------------------|-------------|-------------------------------|
| Mohlman 2003a (32) | 11 | 10.25(7.03) | 10 | 11.45(4.87) | | | 21.34 | -0.19 [-1.05, 0.67] |
| Mohlman 2003b (32) | 8 | -1.35(1.00) | 7 | 1.65(3.41) | _ | - | 12.45 | -1.16 [-2.29, -0.04] |
| Wetherell 2003a (37) | 18 | 12.90(9.60) | 21 | 19.10(10.90) | | - | 37.89 | -0.59 [-1.23, 0.06] |
| Schuurmans 2006 (33) | 30 | 14.34(12.85) | 9 | 15.67(8.72) | | + | 28.32 | -0.11 [-0.85, 0.64] |
| Total (95% CI) | 67 | | 47 | | | • | 100.00 | -0.44 [-0.84, -0.04] |
| Test for heterogeneity: Chi2 = | 2.88, df = 3 | $(P = 0.41), I^2 = 0\%$ | | | | • | | |
| Test for overall effect: $Z = 2.1$ | 7 (P = 0.03) | | | | | | | |
| | | | | | 4 -2 | 0 2 | 4 | |
| | | | | | Favours trea | atment Favours c | ontrol | |

CBT vs. Active Control: Effect size: 0.51 (0.21 to 0.81)

Review: Cognitive beharioural therapy for anxiety disorders in later life

Comparison: 02 CBT versus active control condition

Outcome: 01 Effect on anxiety level

| Study or sub-category | N | Treatment mean (SD) | N | Control mean (SD) | SMD (fixed) 95% CI | Weight % | SMD (fixed) 95% CI |
|--------------------------------------------------------------------------|----|------------------------|----|----------------------|------------------------------|-------------|-----------------------|
| Stanley 1996 (34) | 18 | 12.00(5.75) | 13 | 11.67(4.94) | | 17.69 | 0.06 [-0.65, 0.77] |
| Barrowclough 2001 (31) | 19 | 11.58(9.17) | 24 | 17.46(12.17) | | 23.96 | -0.53 [-1.14, 0.09] |
| Stanley 2003a (36) | 5 | 9.20(4.92) | 4 | 19.80(14.00) | | 4.34 | -0.95 [-2.39, 0.49] |
| Stanley 2003b (35) | 29 | 13.50(5.20) | 35 | 19.70(6.93) | | 32.95 | -0.99 [-1.51, -0.46] |
| Wetherell 2003a (37) | 18 | 12.90(9.60) | 18 | 14.20(10.40) | - | 21.05 | -0.13 [-0.78, 0.53] |
| Total (95% CI) | 89 | | 94 | | • | 100.00 | -0.51 [-0.81, -0.21] |
| Test for heterogeneity: $Chi^2 =$ Test for overall effect: $Z = 3.33$ | | | | | | | |
| | | | | | 4 2 0 2 | 4 | |
| | | | | | Favours treatment Favours co | ntrol | |

Hendricks, Acta Psychiatr Scand, 2008

Relaxation Therapy Resources



CALM BREATHING

www.anxietybc.com



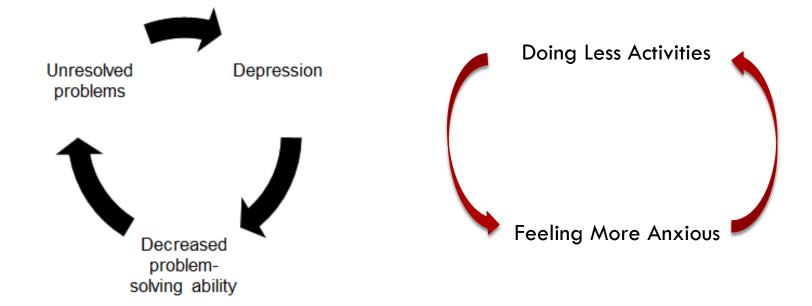
HOW TO DO PROGRESSIVE MUSCLE RELAXATION



Self-Help for Anxiety Management (SAM) App

Problem Solving Therapy

- □ Work on solving real-life problems
- Depression and anxiety improves as problems are resolved, or attempts are made to address problems
- Learn strategies to solve problems outside of therapy
- Help to unwind the spiral of anxiety and problems
- Includes behavioral activation, pleasant event scheduling



Problem Solving Styles

Planful (Rational) Problem Solving*

- Definition of problems
- Generation of alternatives
- Decision making
- Solution implementation and verification

Impulsive/Careless

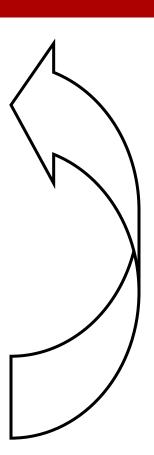
- Narrowed, hurried or incomplete problem solving
- Few alternatives, often go with first
- Scan solutions and consequences quickly, monitors outcomes carelessly

Passive/Avoidant – Coping Strategies in Anxious People

- Procrastination, passivity, inaction
- Avoids or puts off problem solving

7 Steps to PST

- Problem Definition
- 2. Identification of Goal
- 3. Brainstorming Solutions
- 4. Weighing Pros and Cons of Solutions
- 5. Select a Solution
- Implement Action Plan to Carry Out Solution
- 7. Verification of the Outcomes



Problem List

- "What kind of problems are you having now that led you to seek out help?"
- Use Problem Listworksheet to helpgenerate problems
- Good to have a variety of problems to work on

| Problems with relationships | Problems with having a daily pleasant activity |
|--------------------------------------------|------------------------------------------------|
| Problems with work or volunteer activities | Problems with sexual activity or intimacy |
| Problems with money/finances | Problems with religious or moral values |
| Problems with living arrangements | Problems with self-image |
| Problems with transportation | Problems with aging |
| Problems with health | Problems with loneliness |

Problem Solving Therapy

- PST problem areas for people with anxiety
 - Strategies for taking medications
 - Relaxation strategies
 - Behavioral activation/Pleasant events (reducing avoidance)
 - Exercise

Common Challenges and Strategies Used in PST

Problem

- Overwhelmed emotionally with problems
- Low-motivation to follow through on action plan
- Negativity Bias, anticipating pooroutcomes, catastrophizing

Potential Strategies

- Deep breathing, progressive muscle relaxation, meditation prior to action plans
- Imagery, Devil's Advocate, Reverse Role Plays, Rewards
- Weighing the evidence (thought records), Negative Thought Logs

Pharmacological treatments

General principles:

- Start lower (usually half of dose used in younger adults)
- Go slower (but go!)
- Aim to reach therapeutic dose in one month
- Monitor treatment response and do not continue ineffective medications
- *Anxiety disorders: often need to start at sub-therapeutic dose and even slower titration than in depression

Pharmacotherapy for GAD

- □ SSRIs
 - Citalopram, Escitalopram, Sertraline studied for geriatric GAD
 - A/E Citalopram, escitalopram: sedation
- □ SNRIs
 - Duloxetine improvements in anxiety and depression
 - Nausea most common S/E: 30% vs. 7% placebo
 - Venlafaxine
- Other medications
 - Mirtazapine (no studies in elderly with anxiety), TCAs, buspirone, benzodiazepines (avoid)

Antidepressant Medications Maximum Starting dose Average Generic Name Comments/Caution Trade Name recommended dose mg/day Dose (CPS) **SSRI** QTc prolongation with doses > 20 Celexa 10 10 - 20 mg20 mg* *Citalopram in the elderly QTc prolongation with doses *Escitalopram 5 10-20 20 mg Cipralex greater than 10 mg in the elderly Zoloft 25 50-150 200 mg Sertraline Other Agents **Mirtazapine** Remeron 15 30-45 45 mg Most likely to cause sedation *Duloxetine Cymbalta Can be associated with drug-drug 30 30 - 6060 mg interactions *For severe depression; May Venlafaxine Effexor 37.5 75-225 *225

increase blood pressure

Pregabalin for GAD in Older Adults

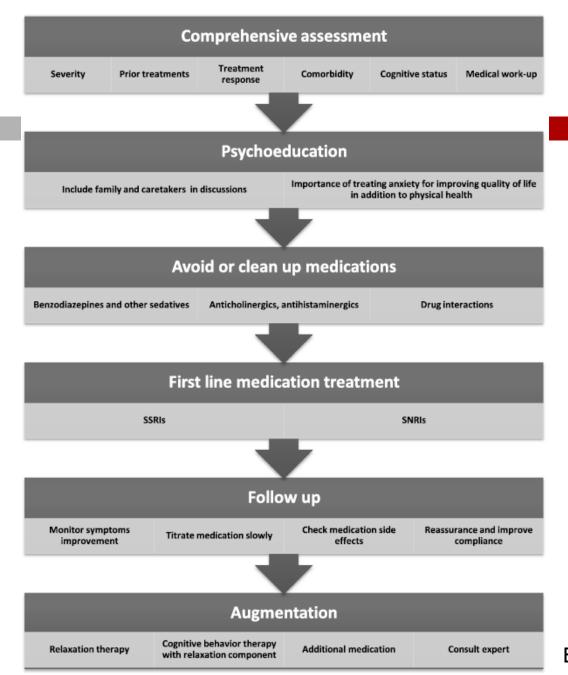
- \square 8 week RCT of pregabalin for GAD (N=273)
- \square Dose: 50 mg/day X 3 days, 100 mg X 2 days, then 150 mg
 - Dose further increased to 150 to 600 mg (BID/TID)
 - Mean dose: 270 mg daily
- Statistically significant, clinically modest benefit on anxiety
- □ Dizziness (20% vs. 11% PBO), Somnolence (13% vs. 7%) most common AE
- Clinically low-doses (50 to 100mg) can be useful adjunct to SSRI/SNRI

Quetiapine XR for GAD

- \square 11 week RCT of Quetiapine XR (N=450)
- □ Dose: 50 mg initially \rightarrow 150 mg in 2 weeks, further titrated to up to 300 mg daily
 - Mean dose 167 mg
- □ Response: 68.5% QTN vs 23.9% PBO
- Remission: 40.1% QTN vs 12.8% PBO
- Differences noted at week 1 onwards
- □ A/E: Somnolence 26% QTN vs. 8.4% PBO
- \Box Efficacy and tolerability greater in <75 vs. >75 years

Clinical Tips

- Plan for course treatment to be longer-term
- Use rating scales to help detect early changes improvements
- Meet regularly (weekly/bi-weekly) for highly anxious individuals at beginning of therapy, have scheduled appointments
 - Reassurance when starting, changing medications
- Work on relaxation strategies, behavioral activation early on
- Taper benzodiazepines once symptoms are improving and other treatments started
 - Use motivational interviewing strategies to reduce BZD



Bower, Harvard Rev Psychiatry, 2015

Conclusions

- Anxiety disorders are common in older adults and underdiagnosed
- Assessment should include anxiety specific questions and tools
- Both psychotherapy and pharmacotherapy have a role in late-life anxiety disorders

Questions

Email: seitzd@providencecare.ca

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 2015:17:53
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Resources

- www.anxietycanada.ca
- www.adaa.org
- □ http://nihseniorhealth.gov/anxietydisorders