Sheppard Pratt & Professional Education

gistration is open on ETHOS for:

Social Work Lecture Series: Do No Harm: Working with Survivors of Sexual Violence Friday, October 23, 2020, 9:00 am - 12:15 pm, Online

Friday, October 23, 2020, 9:00 am – 12:15 pm, Online Broadcast, Presented by: Mothyna James-Brightful, M.S. & Elisabet Martinez, MSW, LCSW-C, LICSW

Social Work Lecture Series: Clinical Supervision: The Tool for Enhancing the Ethical Practice of Those You Supervise

Friday, November 13, 2020, 9:00 am – 12:15 pm, Online Broadcast, Presented by: Gisele Ferretto, MSW, LCSW-C

REGISTRATION FEES: General Registration: S40 for one activity, S70 for both, Fees for employees of Sheppard Pratt and its affiliate agencies are \$20 for one activity, \$30 for both.

Log into your Ethos account to register to attend this event for credit.

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Online Broadcast Best Practices

1. Remember to take the pretest when you get the reminder email for the lecture on Monday.

 Set a reminder for the lecture on Monday.
 Set a reminder for the lecture using the reminder email. Save the reminder email in your calendar or copy and paste it into your calendar. Set the reminder to minutes early to download and/or print the slides before the lecture.

 Download the slides anytime from the day before to right at the beginning of the lecture. (The link to download the slides in Venue in the activity page on Ethos. You don't have to be logged in to access it)

 Click on the link to watch the online broadcast. (The link is in Venue in the activity page on Ethos. You don't have to be logged in to access it.)

 Email the code word to cme@sheppardpratt.org
 Log into Ethos and complete the evaluation piece by going to the activity and then the last tab called Take Course and click on the green rectangle Take Course.

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Addressing Agitation in Patients with Dementia

Louis J Marino, M.D. Associate Professor, Clinical, Warren Alpert Medical School of Brown University Sheppard Pratt

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Learning Objectives

After attending this program, participants will be able to:

1. Identify common causes of agitation.

2. Evaluate medications that are appropriate for the treatment of delirium.

3. Discuss the role of non-pharmacologic interventions in the treatment of agitation in demented elderly patients.

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Review of the problem

- There are many patients with dementia
- A large percentage of people with dementia become patients with agitation
- Agitation is a source of distress and often injury for patients and caregivers
- The sources of agitation are many and there is no easy resolution to the problem in individual cases
- COVID-SARS-2 makes the problem more dangerous and more urgent

Overview

- Define the problem
- Review common precipitants and causes
- Establish a rational approach to treatment
- Examples of specific medications and behavioral interventions that are in common use
- Vignettes to illustrate treatment approaches
- SARS-CoV-2

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Dementia is Common

- Alzheimer's is estimated to account for 60% to 70% of dementia
- An estimated 5.8 million Americans over the age of 65 are living with dementia due to Alzheimer's disease. That number is projected to reach 13.8 million by 2050.
- 110,000 Alzheimer's disease patients in Maryland



Agitation

- (a) Excessive motor activity (examples include: pacing, rocking, gesturing, pointing fingers, restlessness, performing repetitious mannerisms).
- (b) Verbal aggression (e.g. yelling, speaking in an excessively loud voice, using profanity, screaming, shouting).
- (c) Physical aggression (e.g. grabbing, shoving, pushing, resisting, hitting others, kicking objects or people, scratching, biting, throwing objects, hitting self, slamming doors, tearing things, and destroying property).

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The first hypothesis is that at least three frontal-subcortical circuits (dorsolateral prefrontal circuit, orbitofrontal prefrontal circuit, and circuit involved in motivated behavior) mediate human behavior.

The second hypothetical model posits that cortico-cortical networks, of which five have been frequently cited, mediate emotional as well as cognitive processing. Finally, the third model suggests that the monoaminergic system involving such neurotransmitters as serotonin, norepinephrine, and dopamine along white matter projections from rostral to caudal brain regions mediate complex behavior.

Certainly, modulation of glutamatergic [36], neurotrophic (for example, brain-derived neurotrophic factor) [37], and other neurochemical and neuroendocrine systems has also received attention as related mechanisms of action [38]

Aggression associated with deficits in cholinergic neurotransmission (over and above those seen in AD itself) and with increased D2/D3 receptor availability in the striatum

When the biological evidence is fully considered, it appears that agitation/aggression in AD is associated with cortical dysfunction in anterior cingulate, insula, lateral frontal, and lateral temporal regions, many of which are associated with the anterior salience network thought to direct brain resources toward specific cognitive activities [68].



















Neuroleptics

- Avoid When Possible.
- Taper and Discontinue As Tolerated
- No One Antipsychotic is Clearly Superior
- Individualized Choices Based on Side Effects
- CATIE-AD: When comparing efficacy across groups, Risperidone and Olanzapine are superior to Quetiapine and Placebo in addressing anger/aggression/paranoid ideation. Olanzapine was associated with worsening function.

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Risperidone • dopamine, serotonin, noradrenaline receptor antagonist • Strongest evidence for effectiveness: (De Deyn et al., 1999; Brodaty et al., 2003; Durán et al., 2005; Schneider et al., 2006; Suh et al., 2006) • CATIE-AD: effective for aggression/agitation/paranoid ideation • Number Needed to Harm= 27, similar to olanzapine and quetiapine (Maust et al., 2015)

Quetiapine

- Dopamine and serotonin receptor antagonist and noradrenaline reuptake inhibitor
- The evidence is much weaker than for Risperidone
- Lewy Body Dementia, Parkinson's dementia, Risperidone failure
- a meta-analysis combining five randomized trials reported a statistically significant effect relative to placebo on neuropsychiatric symptoms and an overall improvement on CGI. (Cheung and Stapelberg, 2011)

Ariprazole

- Dopamine, serotonin receptor partial agonist
- Evidence of efficacy is supported in meta-analysis (Schneider et al., 2006)
- Different mechanism of action makes it an interesting alternative to other antipsychotic medications

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Environmental Interventions for Delirium

- Avoid disrupting patient at night
- Promote night sleep
- Well-lit environment during the day
- Minimize the number of care givers
- Provide frequent reorientation
- Avoid complex repeating patterns in wallpaper and rugs and furniture

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- Engagement without over-stimulation • Exercise
- Regular schedule









Adapt Approach to the Person

- Language: Verbal and Non-Verbal
- Tend toward "Yes"
- Simple routines that utilize long-standing habits
- Focus on the person's interests, personalize their environment

Vocal Perseverations

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- Typically seen as hopeless
- Often leads to non-specific sedation

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- Determining the level of distress is helpful
- Determining awareness of the content of the vocalization is helpful

• 8g year old woman
 • Vascular Dementia
 • Alzheimer's Disease
 • Compression Fractures
 • Oxycodone 120mg/day
 • Steppard Pratt

































Manifestation

- Pain manifesting in vocalizations Neurochemical imbalance in pre-frontal cortex
- Impulsivity/Poor frustration tolerance
 addressed
- Aggression during care
- Restlessness/resistiveness

Intervention

Pain manifesting in vocalizations

- Neurochemical imbalance in pre-frontal cortex
- Impulsivity/Poor frustration tolerance addressed
- Aggression during care Restlessness/resistiveness
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