



Attention-Deficit Hyperactivity Disorder

Media Conference

Trainee Guide

Contributors

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Overview

Popular media frequently touches on issues germane to reproductive psychiatry and pregnancy, such as pregnancy weight gain, postpartum depression, stress in pregnancy, and breastfeeding. Well-known celebrities such as Gwyneth Paltrow and Chrissy Teigen have voiced their experiences with maternal mental health to millions of people worldwide. However, the tone of the messages arising from the media can be tinged with stigma. The ability to field patient questions arising from popular culture is an important professional skill for all psychiatrists. In particular, psychiatrists should be able to explain data and statistics cited in the lay media in an accurate, reassuring, and clinically relevant manner. Thus the goal of the NCRP's media modules is to have psychiatrists and psychiatry trainees build communication skills that enable them to serve as knowledgeable and thoughtful representatives of reproductive psychiatry to a lay audience.

Each session consists of three parts: 1) reviewing and critiquing a piece from the popular media (such as from newspaper articles or social media); 2) appraising the comparable medical literature; and 3) role-playing a psychiatrist/patient interaction about how to communicate this topic to a lay audience.

The aim of reviewing the medical literature is to compare its findings with the information portrayed in the media. For the purposes of this exercise, the most relevant parts of medical literature are the abstract, the introduction, and the discussion. The aim is not to have an in-depth, "journal-club" analysis of the article (which is an important skill for residents to master elsewhere in their training), but rather to delineate in broad strokes the gaps between the information presented by the media portrayal and by the medical literature.

Sessions usually last 50 minutes, but can be modified, depending on the number of media items and articles selected. The media conference is tailored for PGY-4 psychiatry residents but can be modified for any group of psychiatric providers. A small group setting with time and space to work within break-out groups is recommended. After review of the media items and the medical literature, the group will divide up into small groups of 2-3 participants to role-play the clinical interaction.

Session

Presentation of media items (10 minutes): Faculty and residents together will review the media item (s)

Review of medical literature (10 minutes): Faculty and residents together will briefly assess the comparable medical literature

Role-play with case example (15 minutes): Small groups of residents will role-play a psychiatrist/patient discussion

Large group discussion (10 minutes)

Wrap-up and Q+A (5 minutes)

Learning Objectives

1. Understand the power of the media to shape attitudes toward and concerns about attention-deficit/hyperactivity disorder (ADHD) in pregnancy
2. Understand management and treatment recommendations for peripartum ADHD



anxious in this context, is constantly worried about her pregnancy and ability to maintain her position at work. She also says her sleep has been more restless, and that she has new muscle tension. She now feels tired during the day, and she finds it increasingly hard to leave work at a reasonable hour. She gets home so late sometimes that she has not been getting a full night's sleep. Her husband has also become upset several times when she arrives home much later than she said she would. She is concerned that she will be fired, and wonders if this pregnancy was "worthwhile."

On ROS, Ms. C. denied depressed mood, changes in appetite, elevated mood, decreased need for sleep, recent or past substance use. She underwent lab testing at the recommendation of her Ob Gyn and was told that her thyroid hormone was within normal limits. She denied other medical problems.

Sample Script for the Physician

"It sounds like things have been really hard for you in recent weeks. I am most struck by your difficulty concentrating, to the extent it is taking you much longer to complete tasks at work, leading to longer work hours, less sleep at night, and tensions with your husband. You're also now worried you may lose your job, and are feeling more anxious overall. It seems like a lot of these troubles stem from your attentional difficulties – similar to many years ago, when things came together for you after you could improve your focus. It is not unusual for pregnant patients with ADHD to stop their medication in pregnancy, and it is understandable that you and your Ob Gyn thought it was a good idea. However, we're seeing the downstream effects, and therefore it is important to address your ADHD symptoms given their significant impact on you, your work, and the people around you. Fortunately, there are many treatment options for ADHD, including medication and other non-pharmacologic approaches."

Patient then asks a series of questions:

1) What are the treatment options for ADHD?

- "There are many treatment options for ADHD, including medications and other non-pharmacologic options. Medications include stimulants, such as Ritalin and Adderall, and they can be divided into short-acting agents and long-acting agents. Choice of a particular stimulant, and short- versus long-acting, depends on the needs of the patient, as well as how well they tolerate it and whether it has been effective. There are other non-stimulant medications that work through a different mechanism; they are used less frequently, but are sometimes excellent options if the stimulants are not effective or are not tolerated well. Among non-pharmacologic options, cognitive-behavioral therapy (CBT) for ADHD focuses on improving behaviors, specifically self-control and self-mediation. This can be done in an individual or group format. We have less literature on the use of CBT for ADHD compared to stimulants, but it is widely considered a valuable tool. Finally, other treatment options include lifestyle changes, such as decreasing or modifying one's work responsibilities, as well as instituting specific rules and routines in one's day-to-day life in order to stay organized (often with the help of loved ones). While not a formal 'treatment' option, these lifestyle changes can be very helpful for patients with ADHD."

2) Do I have to take medications for my ADHD?

- "The decision to take a medication depends on the patient – namely, the severity of their symptoms, their history of treatment response, and the nature of their day-to-day tasks requiring sustained attention. In cases where symptoms are less severe, and/or there is significant room to modify or decrease one's daily tasks requiring attention, one can try a non-pharmacologic approaches like CBT and/or lifestyle modifications. In other cases where symptoms are more severe, the day-to-day tasks requiring attention are intense and unmodifiable, and/or the effects of symptoms are profound (one's job is on the line, or social relationships at risk), then one would more strongly consider medication. In your case, it seems that the potential implications of your symptoms are significant, indicating a more severe case, however we have not discussed how you might be able to try CBT, or modify your work responsibilities/daily routine to accommodate your symptoms. If these lifestyle changes, or CBT, are not possible, then medication would be a better option. It is reassuring to know that you have tried medication before, tolerated it well, and knew that it worked for you. In that sense, if we were to use medications you used in the past, we would not be wasting time exposing you (and baby) to a medication that may not work, or causing problematic side effects. That being said, we should also discuss the risks of such medication in pregnancy."

3) What are the risks associated with taking ADHD medications in pregnancy?



- “For the time being, we will focus on the fetal risks associated with stimulant medications, which are the more commonly prescribed medications for ADHD, and are the medications I would consider prescribing for you because you responded well to them in the past. Regarding the risk profile of methylphenidate (which is the main compound in Ritalin IR and Concerta – both of which you had used in the past), data is limited but expanding. As with all medications in pregnancy, particularly psychotropics, data is limited by to the nature of the research; it is unethical to do randomized controlled trials (the research gold standard) in pregnant women. As such, the data is in the form of case studies/case series and cohort studies, many of which are limited by confounding variables. Keeping this in mind, the data thus far on methylphenidate has not shown a statistically significant increased risk for congenital malformations in infants whose mothers were on medically indicated doses. A US Medicaid Study found an association with pre-eclampsia (in mothers who filled prescriptions twice), and a secondary analysis found an association between methylphenidate and amphetamines with preterm birth; however, confounding variables were not accounted for, and could explain these results. Similarly, a study of NICU admissions found an association with methylphenidate, however the authors felt that these results could also be explained by confounding variables (obesity, cigarette smoking, and other psychotropic use in this case). Thus, the data thus far is reassuring, but is limited and therefore stimulants should be prescribed on a case-by-case basis.

Wrap-up and Q+A

1) For the learner role-playing the physician: what was challenging about this interaction?

2) For the learner role-playing the patient: what was challenging about this interaction?

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