

Tools For Online Education

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Outline

- Examples of Learning Management Systems at Harvard Medical School
- Tools and ideas for building interactivity in an online course

Part I: Teaching in an LMS

- A Learning Management System (LMS) is going to be one of your most frequently-used pieces of technology when teaching online.
 - An LMS can feature:
 - Assignments
 - Grades
 - Videos
 - Assessments
 - Multiple points of communication
 - Interactive pieces
 - Written content
 - Images
- Let's look at some examples of these elements in HMS classes

Part I: Teaching in an LMS

LMS Platforms

- Moodle
- Blackboard
- Canvas
- Sakai
- EdX and Open EdX
- HBX
- Angel
- Docibo

HMS PGME - Moodle LMS

- Customizable with plugins
- Open-source
- Our team configured video players and added programs
 - H5P, Vimeo, Poodl, captioning, and others



Management of Infections in Advanced Dementia

Launched / 736109-2002

Welcome to the Course



Start Date: 10/4/2018

End Date: 1/19/2021

Course Outcomes

Welcome to *Management of Infections in Advanced Dementia* (MIAD2020). This course focuses on the appropriate use of antimicrobials in advanced dementia patients. Over the course of the four virtual patient cases that follow, you will be presented with consensus-based algorithms for antimicrobial initiation, guidance on how to integrate resident preferences into treatment decisions, and tips for communicating with families about infection management in advanced dementia.

This course is designed for primary care and specialty physicians, physician assistants, nurses, and nurse practitioners.

Management of Infections in Advanced Dementia focuses on improving the management of infections in advanced dementia by merging best practices in infectious diseases and palliative care. By the end of this course, you should be able to:

Entry page for
Management
of Infections
in Advanced
Dementia

Entry page for General Psychiatric Management for Borderline Personality Disorder

Course Information



Start Date:

End Date:

Course Outcomes

Welcome to *General Psychiatric Management for Borderline Personality Disorder*. This 6-hour course offers training in an empirically validated treatment approach to borderline personality disorder (BPD) known as Good or General Psychiatric Management (GPM).

By the end of this course, you will be able to:

- Explain the diagnosis to patients and families and establish reasonable expectations for change (psychoeducation)
- Manage the problem of recurrent suicidality and self-harm while limiting personal burden and liability
- Expedite alliance-building via use of medications and homework
- Identify when to prioritize BPD's treatment and when to defer until a comorbid disorder is resolved

Course module blocks

Instructions



- Select **Topic 1** below to begin and select *Next* to navigate through each topic.
- Play each video and answer the embedded knowledge questions, then complete the topic quiz before advancing to the next topic.
- Pass the final posttest with a score of at least 75% to earn your certificate for the course.

1: Background

2: Interpersonal Hypersensitivity

3: Overall Principles

4: Disclosing the Diagnosis & Psychoeducation

5: Getting Started

6: Managing Suicidality

7: Case Discussion I (Laura)

8: Pharmacotherapy and Comorbidity

9: Case Discussion II (Roger)

10: Multimodal Treatments

11: Case Discussion III (Melanie)

12: Conclusion

Course entry page with a welcome video and course module blocks

Welcome Video

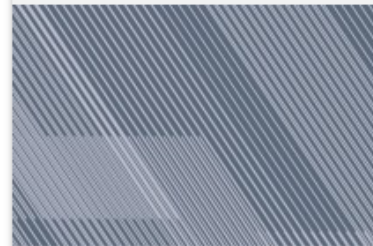


- Select the first topic below to begin. Play each video and interactive slide deck, and answer the knowledge question correctly before selecting *Next* to continue. Correct answer explanations contain learning content.
- Pass the posttest with a score of at least 75% to earn a CME certificate.

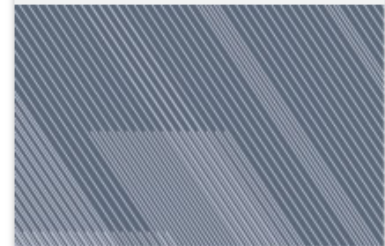
Module 1: Overview of Shared Decision Making



Module 2: Seven Steps to Shared Decision Making



Module 3: Case Study: Using the SDM Process



Video in
the course
content
with
pauses to
ask
knowledge
check
questions

The screenshot shows the Harvard Medical School course interface. At the top, the Harvard Medical School logo and name are visible. The user's name, Jennifer Livengood, is in the top right corner. A navigation menu on the left lists various topics, with '2: Interpersonal Hypersensitivity' highlighted. The main content area displays the title '2: Interpersonal Hypersensitivity as BPDs Core' and a video player with a large play button. The video title 'SECTION 2 INTERPERSONAL HYPERSENSITIVITY' is overlaid on the video frame.

The screenshot shows a video player interface. The video title is '2: Interpersonal Hypersensitivity as BPDs Core'. The video content displays a knowledge check question: 'When a patient gets angry at you, you should:'. There are three radio button options: 'Lean back (give them space)', 'Lean in (don't leave, sort out why they are angry and what it means)', and 'Remain neutral and see what happens'. A blue 'Check' button is located below the options. The video player controls at the bottom show a progress bar at 10:49 / 13:10, along with icons for play, volume, and other controls.



Navigation

GPM

Grades

Topics

Course Information

1: Background

2: Interpersonal
Hypersensitivity

3: Overall Principles

4: Disclosing the Diagnosis &
Psychoeducation

5: Getting Started

6: Managing Suicidality

7: Case Discussion I (Laura)

8: Pharmacotherapy and
Comorbidity

9: Case Discussion II (Roger)

10: Multimodal Treatments

GPM / Sections / 3: Overall Principles / Topic 3 Quiz / Preview

Question 1

Not yet
answered

Marked out of
1.00

Flag question

Edit
question

The GPM therapist will convey the following about the priorities of interpersonal relationships and employment:

Select one:

- A. The BPD patient should focus on dating at the beginning of treatment and put work or school on hold
- B. GPM suggests patients focus on building work or other major responsibilities first before prioritizing romance as the grounding foundation of their self-esteem.
- C. GPM believes a patient should have at least one special friendship in place as a support before looking for work
- D. The BPD patient will need to have romance and work simultaneously in order to function well

Question 2

Not yet
answered

Marked out of
1.00

Flag question

Edit
question

In GPM, what kind of advice should providers give?

Select one or more:

- A. Providers should give advice about avoiding stressors
- B. Providers of GPM should avoid advice
- C. Providers should give advice about managing relationships
- D. Providers should give advice about investing

Questions
after
module
content

Live online courses at Harvard Medical School

- Postgraduate Course in Advanced Cardiology
- Challenging Cases in Toxicology
- General Psychiatric Management for BPD
- Shared Decision Making

Part Two: Tools for interactivity

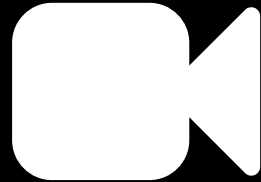
- An LMS can host a variety of course content
- It is a good practice to build in interactive content to engage learners
- There are many ways to engage learners in the course content
 - **Interactive case studies** - Storyline
 - **Screen recordings** - Zoom, PlayPosIt, Edpuzzle
 - **Virtual writing boards** - Explain Everything
 - **Polling** - PollEverywhere or Zoom
 - **Other tools** - Thing Link and Edpuzzle

Interactive case studies

- Shared Decision Making
- Thrombotic Disorders
- General Psychiatric Management for BPD

Screen Recordings

- [EdPuzzle](#)
- Zoom (example below)
- [PlayPosIt](#) and [H5P](#)



Virtual Writing Boards

<https://expl.ai/XLGCSNH>

Polling

- PollEverywhere
- <https://pollev.com/livengood>

https://pollev.com/livengood?_ga=2.112384524.909379859.1591297347-2036989218.1588956896

Polling

- Survey Monkey
- <https://www.surveymonkey.com/r/JRMXC6R>

<https://www.surveymonkey.com/r/JRMXC6R>

Other tools

- [Thinglink](#)
 - Add notations to images or videos
 - 360 degree images can also be noted

<https://www.thinglink.com/card/1324786774773334018>

Building an Online Course

- Invite you to an instructional design website with further tools and ideas for creating an online course
 - Pedagogy
 - Links to additional tools
 - Content development
 - Course mapping and curriculum development

https://jenniferlivengood.com/Design_Online_Courses/index.html

Free Resources

**End of Part II
Questions?**