MS Fatigue Explained





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Mastering MS Fatigue Management

FEBRUARY 25 YOUR QUESITONS ANSWEREDMS Fatigue

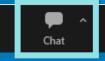
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How to Ask Questions During the Webinar

Type in your questions using the Questions Box







Provide comments and engage with the speakers and audience using the **Chat Box**





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YOUR SPEAKER





Michelle
Cameron
Neurologist/Physical
Therapist

Oregon

LEARNING OBJECTIVES

Understand what fatigue in MS is

Pecome familiar with the causes of fatigue in MS

3 Learn how to manage MS-related fatigue

POLLING QUESTION

Do you have fatigue from your MS?

- a) YES
- b) NO

MS Fatigue: Prevalence and Nature



Prevalence of Fatigue in MS

- Fatigue is one of the most common symptoms of MS.
- Around 80-95% of people with MS experience fatigue.
- Fatigue can be one of the most disabling symptoms of MS.

| Symptom | % (At onset-advanced) |
|--|-----------------------|
| Sensory alterations | 85–94 |
| Fatigue | 79–96 |
| Cognitive dysfunction | 63–81 |
| Pain | 57–85 |
| Visual and brainstem symptoms (scotoma, diplopia, oscillopsia, vertigo, dizziness, etc.) | 55–92 |
| Motor alterations: spasticity, ataxia, tremor, impaired ambulation | 50–91 |

POLLING QUESTION

How do you experience MS fatigue?

- a) Mental exhaustion
- b) Physical exhaustion
- c) Difficulty concentrating
- d) Heavy limbs
- e) "Hitti<mark>ng th</mark>e wall"
- f) Needing more rest
- g) Other... put it in the chat

How Does Fatigue Feel to You?

"Like trying to move your limbs through sand"

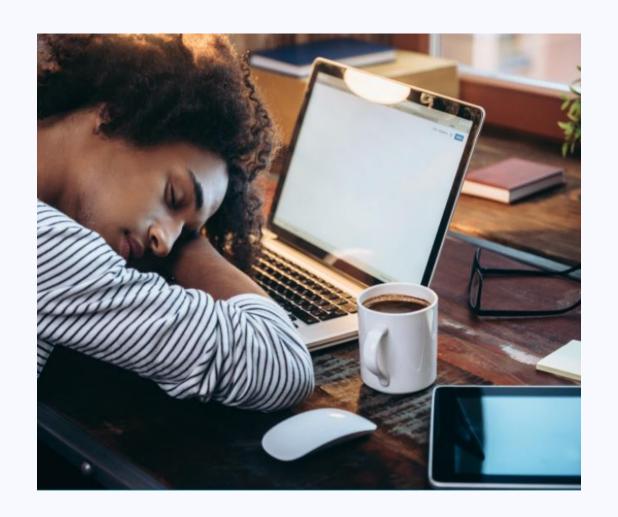
"That grogginess when you first wake up just stays all day!"

"My head feels heavy, like my reactions are in slow motion"

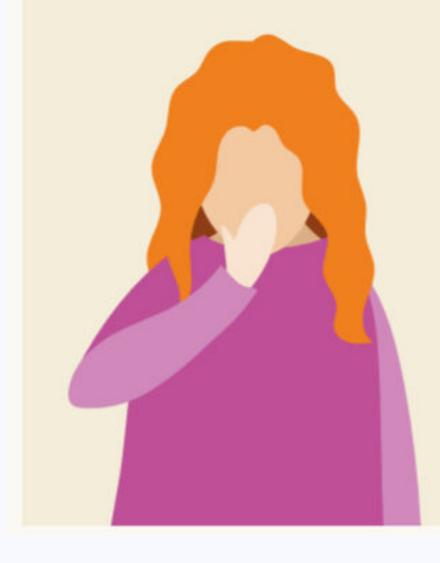
"Making a cup of coffee feels utterly draining"

What Is MS fatigue?

- A persistent feeling of tiredness or exhaustion
- Your battery has run out
- Motor fatigue vs systemic fatigue



Here are some common observations about MS fatigue:



- Tends to worsen as the day progresses
- Appears more easily and suddenly than 'ordinary' fatigue
- Is generally more severe than 'ordinary' fatigue
- Tends to be aggravated by heat and humidity
- Is more likely to interfere with daily activities than 'ordinary' fatigue

Normal Tiredness vs MS-Related Fatigue



Doesn't necessarily go away with rest

Comes on sooner and quicker

Heat sensitive

Can impair cognitive function

Can impair motor function

Causes of MS Fatigue

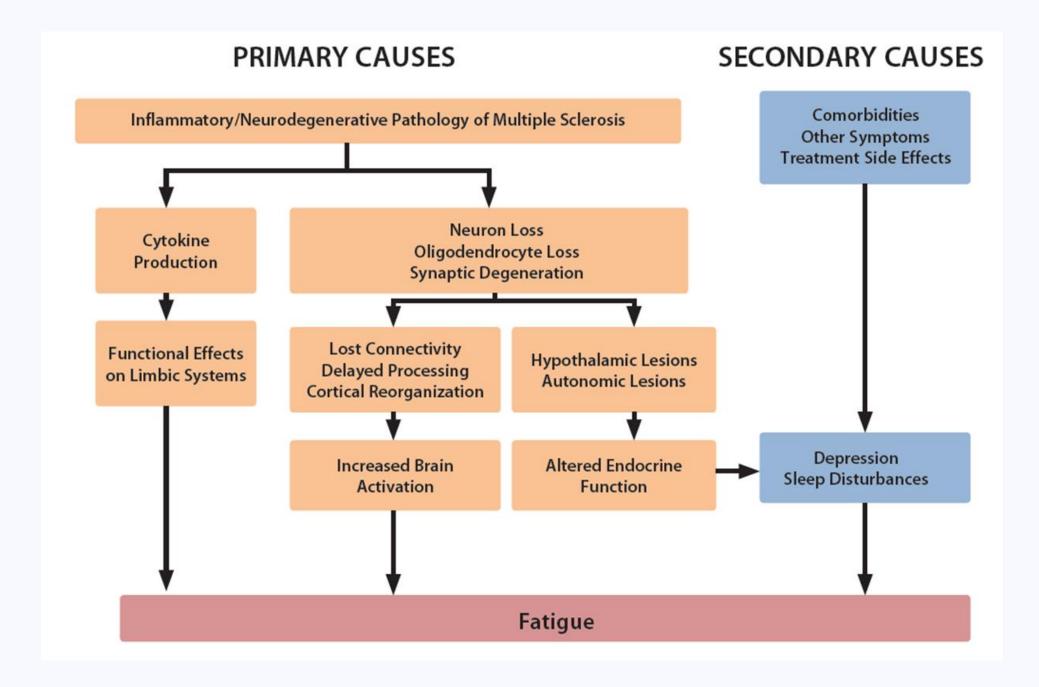
Primary vs Secondary MS Fatigue

Primary

 Direct result of the disease and its effects on the brain and spinal cord

Secondary

- Downstream result of other factors e.g.
 - Sleep disturbance from spasticity, pain or bladder issues, sleep disorder
 - Depression
 - Medication side effects
 - Physical inactivity and deconditioning



Possible Mechanisms of Primary MS Fatigue



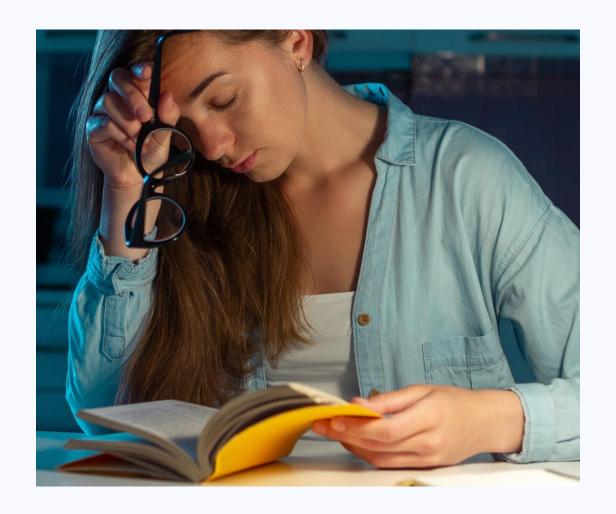
- Inflammatory chemicals cytokines
- Demyelination and neuron and synapse loss
- Increases effort to compensate for losses
- Affects regions responsible for energy regulation
- Endocrine changes

Fatigue Impact & Assessment



How Does Fatigue Impact Your Daily Life?

- Challenges at home
- Challenges at work
- Challenges in social settings



How Does Fatigue Impact Your Daily Life?

- Physical impacts:
 - challenges getting things done
- Cognitive impacts:
 - challenges with thinking, memory, decision-making
- Social & emotional impacts:
 - feelings of isolation, frustration, guilt

Fatigue Assessment

- Fatigue severity scale how severe is your fatigue?
- Modified fatigue impact scale how much does fatigue impact your physical and cognitive function?
- Visual analog scale 0 10
- Fatigue diary
 - Shows day to day variation
 - Helps track triggers and patterns
 - Helps tailor management strategies

Red...Yellow... Green



The traffic light explanation:

Green

You feel like a car that passes a green light and can continue on its journey as it has enough energy.

= Amber

The car needs to think about stopping to avoid the risk of an accident. Red

The car needs to stop and rest to be able to continue.



The battery explanation:



 The battery is fully charged, it is functioning normally and has all the energy it needs to complete day-to-day activities.



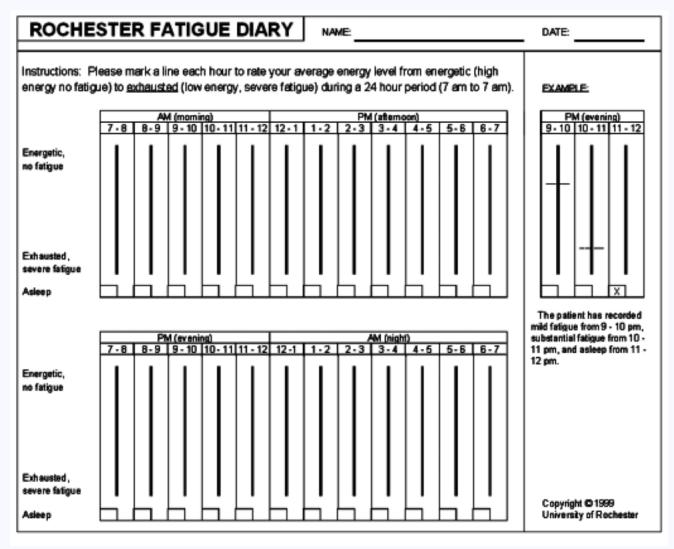
The battery is running low, it is slowing down so you need to limit its use and plan a recharging period.



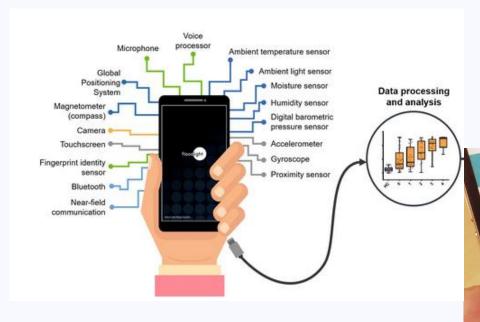
The battery is completely out of charge so all activities come to a halt. The recharge time will take longer if a recharge didn't happen as and when necessary.

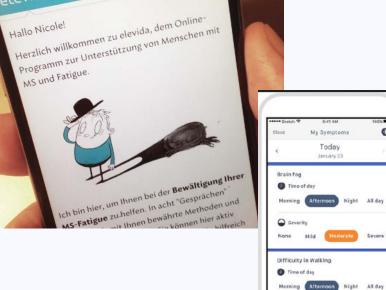
Fatigue Diary



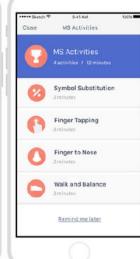


Digital Apps









Managing Your Fatigue

"I'm certainly not saying the symptoms are gone. I have just learned how to manage it a little better."



POLLING QUESTION

What have you tried to manage your fatigue?

- a) Energy budgeting
- b) Energy conservation
- c) Sleep hygiene
- d) Exercise
- e) Other... put it in the chat

Strategies for Managing Fatigue

- Minimize fatigue triggers
- Energy conservation
- Pacing
- Sleep hygiene
- Diet
- Medications



Recognize Your Fatigue Triggers

- Heat sensitivity
- Stress & anxiety
- Physical exertion
- Poor sleep quality
- Infection or other illness
- Diet & hydration



Energy Conservation & Pacing

- Energy budgeting spend it on what's worth it to you!
- Prioritize what's important
- Think about timing, when do you have the most energy?
- Break tasks into smaller, manageable steps
- Balance activity with rest
- Avoid overexertion
- Resist overcommitting
- Consider working with an occupational therapist to help with energy conservation

Aids & Home Modifications

• To conserve energy, organize





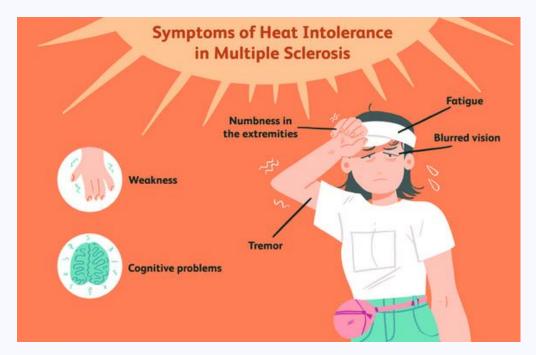
Physical Activity & Exercise

- Exercise gives you more energy to spend, but... it takes a while to build up endurance
- Start slow
- Keep your body moving with regular physical activity
- Exercise in cooler environments
- Consider working with a physical therapist to develop an exercise program that works for you



Temperature Management

- Heat sensitivity
 - Heat can exacerbate fatigue
 - To stay cool wear light clothing, use cooling vests, stay in a cool environment

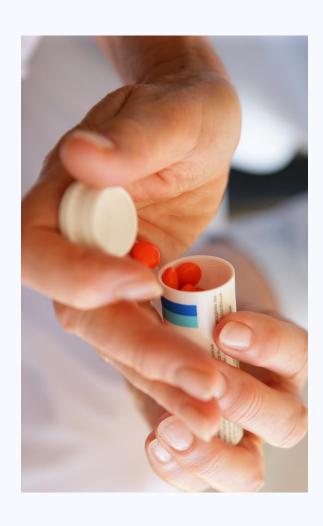


Sleep Hygiene & Diet

- Maintain a consistent sleep schedule
- Create a relaxing bedtime routine
- Manage sleep disorders e.g. sleep apnea, restless legs
- Avoid caffeine after 2pm
- Alcohol can worsen fatigue
- Avoid late heavy meals
- Stay hydrated throughout the day



Medications



- Most medications like ones for spasticity, bladder symptoms, and anxiety – worsen fatigue
- Work with your provider to determine which medications might be causing more trouble than benefit
- No medications are FDA approved for MS fatigue
- Medications used for fatigue increase alertness but don't really reverse fatigue e.g. amantadine, modafinil, methylphenidate
- Dalfampridine may help with motor fatigue
- Medications used for fatigue have risks of side effects

Building a Support System



Connect with others who understand your experience



Work with your healthcare team

Track your fatigue and its response to interventions

Myths and Facts About MS Fatigue

Myth: Fatigue is just a normal part of MS, and nothing can be done about it.

Fact: Fatigue is manageable with the right strategies, treatment, and lifestyle changes.

Myth: Exercising will make fatigue worse.

Fact: Exercise can help improve energy levels and reduce fatigue over time.

Key Takeaways

- Fatigue is common but manageable in MS.
- Many factors contribute to fatigue.
- Strategies like pacing, energy budgeting, and exercise can help.
- Medications and support are available for managing fatigue.



Thank you!
We Appreciate Your Feedback!

Q+A

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