

Physician Experience Interview Guide: Pegvaliase

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Good **[morning/afternoon/evening]**. May I speak with **[Dr. X]**?

Hi, my name is **[Y]**, and I am calling as part of a study on physician experiences prescribing pegvaliase, in which you agreed to take part. This research is being conducted by contractors at Brigham and Women's Hospital / Harvard Medical School on behalf of the U.S. Food and Drug Administration (FDA).

Your participation in this interview is voluntary, and you may withdraw at any time. Your responses will be aggregated with other responses and analyzed in a de-identified manner. The entire interview will last approximately one hour. If you complete the full interview, we will send you a \$100 Amazon gift card as a token of appreciation for your participation or donate the money to a charity of your choice. Is this still a good time for us to talk? **(IF NO: ARRANGE A TIME TO CALL BACK.)**

Section A: Prescribing and Enrollment Requirements
(expect to spend about 10 minutes on this section)

1. Approximately when was the last time you prescribed pegvaliase?
2. Approximately how many of your patients have you prescribed pegvaliase to over the last 3 years?

As you know, the FDA requires a special safety program for pegvaliase called Risk Evaluation and Mitigation Strategies or REMS. The purpose of the REMS program is to ensure pegvaliase is used in a way that its benefits outweigh its risks. As part of the REMS program, physicians must go through a certification process administered by the manufacturer, which typically involves such activities as reviewing certain materials, training, and filling out forms.

3. Approximately how many years ago did you first complete the certification process for pegvaliase?
4. What do you recall about the content, elements, and length of the certification process?
 - o For what risks of pegvaliase was information provided in the certification process?*
 - o Was there a knowledge assessment included with the certification process?*
 - o About how long did the certification process take?*
5. Overall, what do you think about the certification process?
 - o How useful was the certification process to you?*
 - o How easy was the certification process to complete?*
 - o Do you think other physicians would be more likely to prescribe the drug without the certification process? Why?*
 - o Do you think the certification process for pegvaliase should be necessary to prescribe the drug?*
6. How can the enrollment process be improved?
 - o Should a knowledge assessment be required as part of the certification process?*
 - o Should prescribers have to recertify each year instead of once?*
 - o Should prescribers be compensated for the time spent on the certification process?*

Section B: Patient Initiation and Monitoring
(expect to spend about 45 minutes on this section)

Now we'll turn to your experiences prescribing pegvaliase (expectation: 15 min)

7. When was the last time you started a patient on pegvaliase?
8. Do you recall if any patients you started on pegvaliase were referred to you by other physicians in your specialty? If YES, why?
9. When you start patients on pegvaliase, what risks do you usually discuss with them?
10. Which risks of pegvaliase concern you most and why?

As part of the REMS program, patients are also required to follow certain "safe use requirements" prior to and while taking pegvaliase. (expectation: 30 min)

11. To your knowledge, what are these safe use requirements?

Patients must be counseled on risk of anaphylaxis and how to spot it and carry auto-injectable epinephrine and wallet card.

12. When you prescribe pegvaliase, how much time on average, do you or someone on your team spend explaining to patients the safe use requirements related to the drug?
13. Who on your clinical team is primarily responsible for helping patients complete administrative paperwork or enrollment forms involved with the safe use requirements?
14. Other than the materials associated with the safe use requirements, do your patients receive from you or your team any other materials describing the benefits or risks of taking pegvaliase? If YES, what materials?
 - o *For example, published articles or stories, links to manufacturer or non-manufacturer websites, or pamphlets or brochures produced by the manufacturer, you, or your institution.*
15. How do your patients usually react to the risks, and safe use requirements associated with pegvaliase?
 - o *Probe on how the interviewee handles these reactions*

16. After talking with them about the risks and safe use requirements, have you had patients seek another treatment option? If so, how frequently does this happen? Why?
17. In general, what have you heard from your patients about their experiences in meeting the safe use requirements?
- o Follow-ups if needed*
 - *Are your patients generally able to fulfill the safe use requirements, and according to the recommended schedule?*
 - *Have patients reported any issues that affect their ability to fulfill the safe use requirements? If so, what are those issues, and have you been able to help your patients resolve them?*
18. Do you think the safe use requirements are necessary to ensure safe use of pegvaliase?
- o Probe: If yes, why? If no, why not?*
 - o Probe: To what degree would safe use steps be performed in absence of REMS?*
19. Would you be more likely to prescribe pegvaliase if it was not subject to safe use requirements?
- o Please elaborate.*
20. What recommendations do you have for improving the patient safe use requirements for pegvaliase?
21. Finally, do you have any additional recommendations for improving safe prescribing and use of pegvaliase overall?

Section C: Wrap-Up

(expect to spend about 3-5 minutes on this section)

22. Is there anything I haven't asked about that you would like to discuss?

To wrap up, I have a few demographic questions.

23. What gender do you identify as?

- o Male*
- o Female*
- o Prefer not to answer*

24. Which of the following best describes your race?

- American Indian or Alaska Native
- Asian
- Black or African-American
- Native Hawaiian or Other Pacific Islander
- White
- Prefer not to answer

25. Are you of Hispanic, Latino, or Spanish origin?

- Yes
- No

26. What year did you graduate from medical school?

27. What best describes your specialty?

Not to be offered as possible answers

- | | |
|---|---|
| <input type="radio"/> Allergy/Immunology | <input type="radio"/> Orthopedics |
| <input type="radio"/> Anesthesiology | <input type="radio"/> Otolaryngology |
| <input type="radio"/> Cardiology | <input type="radio"/> Pathology |
| <input type="radio"/> Dermatology | <input type="radio"/> Pediatrics |
| <input type="radio"/> Endocrinology | <input type="radio"/> Physical Medicine and Rehab |
| <input type="radio"/> Emergency Medicine | <input type="radio"/> Plastic Surgery |
| <input type="radio"/> Family/General Practice | <input type="radio"/> Preventive Medicine |
| <input type="radio"/> Geriatrics | <input type="radio"/> Psychology |
| <input type="radio"/> Internal Medicine | <input type="radio"/> Pulmonology |
| <input type="radio"/> Medical Genetics | <input type="radio"/> Radiology |
| <input type="radio"/> Neurological Surgery | <input type="radio"/> Rheumatology |
| <input type="radio"/> Nephrology | <input type="radio"/> Sleep medicine |
| <input type="radio"/> Neurology | <input type="radio"/> Surgery |
| <input type="radio"/> Obstetrics/Gynecology | <input type="radio"/> Urology |
| <input type="radio"/> Oncology | <input type="radio"/> Other (Please specify) |
| <input type="radio"/> Ophthalmology | |

28. In what ZIP code is your practice located?

29. In what clinical settings do you prescribe pegvaliase? You may select more than one.

- Outpatient clinic (solo practice)
- Outpatient clinic (group practice)
- Community hospital (non-military/VA)
- Academic hospital (non-military/VA)
- Military or VA hospital
- Other (Please specify)

30. What percentage of your professional time is spent in direct patient care?

31. Have you received any of the following from a manufacturer of pegvaliase over the past three years?

- Speaker fees
- Payment for membership on an advisory board
- Research grants
- Other benefits (Please specify)

That is all the questions I have for you. Is there anything I haven't asked about that you would like to discuss? How should we provide the token of appreciation? [If they would like it sent to them, ask for email address]. We will send it within the week.

If additional questions arise, please contact the study principal investigator, Dr. Ameet Sarpatwari at 617-525-8890.

Thank you for your time and your insights. I appreciate your speaking with me.