Supplementary material

Supplementary Data S1**- English Version of the Questionnaire**

Survey on Moroccan Rheumatologists' Perception and Attitude Toward Patients With Fibromyalgia

This questionnaire is intended for Moroccan rheumatologists. Its objective is to assess their perception of fibromyalgia (FM) and to explore factors influencing the physician-patient relationship and the willingness to manage patients often considered difficult to care for. Validated tools evaluating frustration, burnout, and personality traits were included. Completing the questionnaire requires approximately 5 minutes. Your participation is anonymous, and all collected data will remain strictly confidential. You are free to participate or not by answering the first question below.

* : All questions marked with an asterisk (*) are mandatory

1. Do you agree to participate in this survey*?
    - Yes
    - No

If yes :

Section 1: Sociodemographic and Professional Data

1. Age* (in years): ……
2. Sex*:
    - Female
    - Male
4. Professional status*:
    - Rheumatology resident
    - Rheumatologist in private practice
    - Rheumatologist in public practice
    - Rheumatologist in academic sector
5. Total years of clinical experience (including residency)*: ……

Section 2: Experience With Fibromyalgia Patients

6. Have you ever managed a patient diagnosed with fibromyalgia?*
    - Yes
    - No
7. If yes, how many FM patients do you see per week on average?
    - Less than 1 patient per week
    - Between 1 and 5 patients per week
    - More than 5 patients per week
8. If a known or suspected FM patient wishes to consult you, do you feel reluctant to accept them in your practice?*
    - Yes
    - No
9. If yes, what are the reasons? (multiple answers possible)
    - Persistent doubts about the legitimacy of fibromyalgia
    - I believe psychiatrists are more appropriate for these patients
    - I believe pain specialists are more appropriate for these patients
    - Interactions with FM patients are often difficult
    - Managing FM patients consumes a lot of consultation time
    - Currently recommended treatments are often ineffective
    - Other:……

Section 3: Frustration Toward FM Patients (DDPRQ-10)*

This questionnaire assesses rheumatologists' frustration when interacting with patients suffering from fibromyalgia (FM). Each item is rated on a Likert scale ranging from 1 (**not at all**) to 6 (**very much**). A total score ≥30 indicates a difficult doctor-patient relationship.

Please rate the following items on a Likert scale from 1 (Not at all) to 6 (Very much):

- How much are you looking forward to a fibromyalgia patient next visit? (r)
- How “frustrating” you find a fibromyalgia patient?

- How manipulative you find a fibromyalgia patient?
- To what extent are you frustrated by fibromyalgia patient‘s vague complaints?
- How self-distractive is fibromyalgia patient?
- Do you find yourself secretly hoping a fibromyalgia patient will not return?
- How at ease you feel with fibromyalgia patients? (r)
- How time consuming is caring for a fibromyalgia patient?
- How enthusiastic do you feel about caring about a fibromyalgia patient? (r)
- How difficult is it to communicate with a fibromyalgia patient?How pleased are you when an FM patient returns for follow-up?

Section 4: Illness Perception (BIPQ)*

The BIPQ is a nine-item questionnaire designed to assess different dimensions of illness perception. Each item is rated on a Likert scale ranging from 0 (not at all) to 10 (extremely). For question 2, the scale ranges from 0 (very little time) to 10 (always). Higher scores reflect greater perceived severity

Please rate each item on a scale from 0 to 10.

- Consequences: How much does fibromyalgia affect the patient’s life?
- Timeline: How long do you think fibromyalgia will continue?
- Personal control(r): In general, how much control do you think patients have over fibromyalgia in general?
- Treatment control (r): How much do you think general treatment can help fibromyalgia?
- Identity: How much do patients experience symptoms from fibromyalgia?
- Concern: In general, how much are patients concerned about their illness?
- Understanding (r): In general, how much do you feel patients understand about their illness?
- Emotional response: In general, how much does fibromyalgia affect patients emotionally?
- (e.g. anger, fear, confusion depression)

Top 3 causes of FM, ranked by importance (open-ended):

- ……

- ……..
- ……..

Section 5: Burnout (Abbreviated Maslach Burnout Inventory, 9 items)*

This instrument explores three core dimensions of burnout: emotional exhaustion (EE) assessed by items 1-3, depersonalization (DP) by items 4-6, and personal accomplishment (PA) by items 7-9. Please indicate how often you experience the following, using a 7-point scale: (0 = Never, 1 = A few times per year, 2 = At least once per month, 3 = A few times per month, 4 = Once a week, 5 = A few times per week, 6 = Every day).

- I feel emotionally drained by my work
- I feel fatigued when I wake up and face another workday
- Working with patients is emotionally demanding
- I have become emotionally hardened toward patients
- I fear that my work is making me emotionally tough
- I treat some patients as impersonal objects
- I feel invigorated when close to patients
- I feel I accomplish worthwhile things at work
- I believe I have a positive influence on people through my work

Section 6: Personality Traits (Big Five Inventory - 10 items)*

This questionnaire covers five major personality domains: extraversion, agreeableness, conscientiousness, neuroticism, and openness to experience. Each domain is represented by two items: one positively phrased and one negatively phrased. For analysis purposes, the most representative traits of each of the five domains were retained.

Please indicate how well each statement describes your personality, on a scale from 1 (Strongly disagree) to 5 (Strongly agree):

- I see myself as someone who is reserved.
- I see myself as someone who is generally trusting.
- I see myself as someone who tends to be lazy.
- I see myself as someone who is relaxed, handles stress well.
- I see myself as someone who has few artistic interests.

- I see myself as someone who is outgoing, sociable.
- I see myself as someone who tends to find fault with others.
- I see myself as someone who is conscientious.
- I see myself as someone who gets nervous easily.
- I see myself as someone who has an active imagination.