Patient Functioning, Life Engagement, and Treatment Goals in Schizophrenia

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Unmet needs in the treatment of schizophrenia include nonadherence to treatment, symptom relapse, incomplete functional recovery, and poor quality of life. Incorporating the patient’s perspective into the treatment plan and measuring treatment outcomes that are meaningful to patients is an important part of addressing these issues. Goal setting is associated with greater improvements in motivation and role functioning, but clinicians should keep in mind that their goals for treatment may not align with those of their patients. Patients tend to think about their lives more holistically than clinicians, with equal weight given to social and clinical needs, and improved functioning and engagement with life are likely to emerge as priorities, beyond the need for symptom control.

In a recent roundtable meeting, a panel of 5 experts discussed life engagement and its relationship to symptoms and functioning in patients with major depressive disorder (MDD) and schizophrenia. This Academic Highlights, part 2 in a series, summarizes the experts’ discussion of how life engagement can inform goal-setting and treatment selection in patients with schizophrenia.

INTEGRATING THE PATIENT’S PERSPECTIVE WHEN PLANNING TREATMENT

Clinicians and patients should agree on treatment choice (ie, shared decision making), but arriving at these choices involves a process with discussion of the benefits and risks. To ensure this communication takes place effectively, patients and clinicians should first reach concordance on the goals of treatment. Listening to the patient’s perspective enables treatment selection and planning to be tailored to the individual, facilitating positive outcomes. As Bridges et al argue, emphasis on concordance can also help combat paternalism with regard to decision making in health care.

Evidence shows that patients with schizophrenia have the capacity to weigh treatment pros and cons and to communicate their own priorities and goals. Dr Ismail emphasized that clinicians should not underestimate their patients’ ability to articulate their own lived experience regarding life engagement:

The notion of subjective versus objective assessment is important, in that most of what we measure is subjective. Sometimes if we see people responding to internal stimuli, for example, or looking moribund in our objective assessment, that colors our perception of what they tell us subjectively. Beyond that, however, it’s important for us to get a sense of how people are doing overall and feeling overall. Sometimes, external input is helpful to get another party’s perspective on whether these descriptions are accurate. But when it comes to questions about engaging with their environment, people fairly accurately relate their own experience: Are they enjoying the things that they used to enjoy? Are they having fun? Those are important goals for treatment beyond just symptom recovery.

Initiating patient-centric discussions around life engagement in patients with schizophrenia can also help build therapeutic alliance. Dr Rafeyan explained that when the clinician effectively connects with the patient and...
Incorporating discussion of functional and life engagement goals early on can help set the patient's mind at ease about psychiatric treatment and clarify that in addition to symptom amelioration, the ultimate goal is for them to lead a full, engaged life over which they feel in control. Such reassurance could be helpful with regard to future treatment adherence and thus better clinical outcomes.

**ASSESSING LIFE ENGAGEMENT IN PATIENTS WITH SCHIZOPHRENIA**

The roundtable participants discussed possible pros and cons of incorporating life engagement as a measurable treatment goal when formulating treatment plans. According to Dr Ismail, there are very few situations in which it would not be beneficial to measure life engagement. He said that in the vast majority of patients across the treatment spectrum, it is incumbent on clinicians—and a fundamental part of care—to consider the patient's voice and engagement. He stated that his practice has evolved to incorporate life engagement assessment on a day-to-day basis, and he has created his own patient-rated measure of quality of life, functioning, and engagement that his patients fill out in the waiting room: “It’s very instructive in terms of how they’re feeling, what they’re doing, their satisfaction, and what’s important to them. And it’s a great secondary source of information on top of the self-report and clinician-rated scales that we collect and measure, providing a really holistic understanding of how someone’s doing and what they want to be doing.” Dr Correll added that having patients complete even a short assessment could be valuable without taking too much appointment time. Dr Rafeyan relayed that to get a sense of a patient's engagement level, he questions them (and their caregiver, if applicable) about how much excitement they’re currently feeling about their lives in general, about socializing with their family and others, and about upcoming events or activities.

In terms of barriers to assessing life engagement, Dr Thase cited the need for scales with which to measure it. Measures such as the Personal and Social Performance scale (PSP) have been used to assess social functioning (eg, socially useful activities, self-care), and parts of other instruments such as the Positive and Negative Syndrome Scale (PANSS) capture elements of life engagement, but there is currently no specific scale capturing all aspects of it. In lieu of such a measure, a recent analysis used the PANSS to provide insight into life engagement and to explore treatment effects using existing data. A group of experts in treating schizophrenia (which included participants in the current roundtable) used a modified Delphi process to select 11 items from the 30-item PANSS that captured patient engagement and well-being beyond improvement of the core symptoms of schizophrenia (Box 1). These 11 items were then applied in a post hoc analysis of pooled data from clinical trials in schizophrenia. Principal component analysis showed that changes in the grouped items clustered together, suggesting that life engagement is a measurable outcome and that these 11 items serve as a good proxy for measuring it.

**PSYCHOSOCIAL AND OTHER FACTORS IMPACTING IMPROVEMENT**

Patient factors predating treatment, such as the patient's cognition, motivation level, and degree of positive symptoms, impact their capacity for improvement in functioning and life engagement. As Dr Ismail commented, “One's own baseline condition is usually the limit.” To personalize treatment, clinicians must take these individual factors into account. It was acknowledged that nonclinical factors including psychosocial stressors may be ultimately beyond clinicians’ control, and addressing them is an ongoing challenge. Dr Ismail stressed that for improvement to occur, the basic social determinants of health must be addressed: Can we ensure that someone is in an environment that is safe and secure and that they have a place to sleep, and food, and access to health care? These form a foundation on which pharmacotherapeutic and other interventions can then be effectively implemented.

Drs McIntyre and Rafeyan emphasized the importance of encouraging exercise and healthy dietary and sleep habits, as they have benefits not just for physical health but also for functioning and, potentially, life engagement. In fact, as Dr Rafeyan pointed out, schizophrenia is linked to inflammation, which can be reduced through healthy diet and exercise.

**LIFE ENGAGEMENT AND CURRENT TREATMENT OPTIONS**

How can life engagement inform initial treatment selection and later modifications? The participants felt that even in the early stages, life engagement can be incorporated as a treatment goal. Dr Rafeyan explained that individual patients' goals can shape treatment selection; for example, a patient who wishes to return to school will want to avoid sedation and needs good cognitive function.
Patients should be made aware from the beginning that different medications may need to be tried before the best one for them is identified. Clinical decisions made at early stages can impact later outcomes, and, according to Dr Ismail, keeping that in mind is a part of addressing life engagement. Side effects, such as activating and sedating side effects and weight gain, can negatively impact functioning and quality of life. Selecting an agent with a tolerable side effect profile, he said, can therefore improve a patient’s ability to function and to engage with life later. A clinician might make a priori decisions anticipating that the patient will want to avoid those side effects. Ultimately, however, the patient’s voice must be heard, and that happens over time in conjunction with symptom improvement.

**Mechanisms of action relevant to life engagement.**

It was agreed that engaging mechanisms beyond the traditional dopamine blockade of first- and second-generation antipsychotics is key. As Dr Ismail put it, “We want the appropriate dopaminergic blockade with ancillary mechanisms that allow reduction in hallucinations and delusions and stabilization of mood and that avoid the neuroleptic ‘dysphoria’ that we’ve tolerated for so many years…a medication that allows them to think and be generative and creative and yet be safe and avoid the degree of psychosis that might impair their ability to live independently and to have agency.”

Three dopamine receptor partial agonist antipsychotic medications with multimodal mechanisms have been approved by the US Food and Drug Administration for the treatment of schizophrenia: aripiprazole, brexpiprazole, and cariprazine. These dopamine partial agonists are distinct from earlier D₂-blocking medications. They are less likely to cause weight gain than some second-generation agents, and their more moderate histaminergic activity versus olanzapine and quetiapine means that they are less sedating. Although the lower potential for sedation is a plus for life engagement, the degree of intrinsic D₃ and D₄ activity seen with aripiprazole and cariprazine, respectively, may lead to activating effects that can cause restlessness or akathisia in some patients.

A variety of antipsychotics has been shown to improve social functioning in patients with schizophrenia, and all 3 approved dopamine partial agonists have demonstrated improvements in PSP scores. Brexpiprazole has demonstrated promising results with regard to life engagement in particular. Unsolicited feedback to the manufacturer from health care providers and patient call centers suggested that patients appeared to be more engaged with life after taking brexpiprazole. The post hoc analysis described earlier suggested that brexpiprazole improved well-being and life engagement in addition to its effects on core schizophrenia symptoms; 10 of the 11 PANSS life engagement items showed improvement versus placebo (P < .05). Further, while improvements in life engagement were accompanied by improvements in functioning, the effect of the medication on life engagement appears to be direct and not entirely mediated by its effects on symptoms and functioning.

**Psychosocial interventions.** Psychosocial and other nonpharmacologic interventions are essential elements of a multifaceted approach to schizophrenia treatment and the journey toward recovery. Therapies supported by evidence include assertive community treatment, family psychoeducation, illness self-management training, and social skills training. In terms of increasing life engagement, Dr Thase commented that psychotherapies can help create behavioral activation, which in turn can help people commit to engaging in social and physical activities that put them in a position to experience connectivity, joy, contact, recreation, movement—all contributors to well-being. For some patients, he said, the psychotherapy “pull” can engage the individual into the process of feeling better.

Finally, Dr Correll issued clinicians the goal of aiming high and instilling hope in their patients with schizophrenia. He emphasized not to give up early, and...
that the action of setting goals can actually move patients toward the goals, because they are now able to visualize the outcomes. This reflects an upward-moving process rather than a downward spiral in which the patient assumes a sick role: rather than thinking, “I am a schizophrenic,” they think, “I have an illness.” He concluded by highlighting society’s responsibility to provide structure and resources for patients to engage in their lives even when they are not at their best, and through that engagement, they can become more and more functional.

Clinical Points

- Clinicians should elicit patients’ individual goals for their lives and incorporate them into the treatment plan where possible.
- Initiating conversations about a patient’s engagement with life and monitoring it on an ongoing basis can strengthen the therapeutic alliance and provide insights about the patient’s progress toward recovery.
- Along with psychosocial interventions, dopamine receptor partial agonist medications that avoid sedation and certain other side effects may be a good option to maximize functioning and life engagement in patients with schizophrenia.

Discussion of Case Practice Question

Preferred response is (e) All of the above.

In thinking about a treatment approach for Tom, one should consider his strengths and potential challenges. A good past response to medication is a point in his favor, as are his willingness and ability to work. Consideration of medication options should take into account previous response and side effects. An efficacious medication with less anti-histaminic effects that avoids excessive sedation and cognitive dulling is therefore a reasonable treatment choice. The medication’s potential for akathisia should also be considered. Once Tom’s symptoms have been controlled, with minimal side effects, his treatment team can assist with continuation of his employment and encourage him to be more active and engage with people outside of work.

REFERENCES