To the Editor:

We read with interest the article titled “Comparative Evaluation of the Accuracy of Benzodiazepine Testing in Chronic Pain Patients Utilizing Immunoassay with Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS) of Urine Drug Testing” (1). Having provided the analytical information used as the basis for the article, we felt it important to relate information to your readers that may be of further benefit.

Although the dangers of benzodiazepine use and overuse among the pain patient population were clearly stated, it was suggested that patients who have been prescribed benzodiazepines who test positive for them on point of care tests do not require additional testing by LC-MS/MS. We disagree with this suggestion and offer the following to support our position.

As many of your readers who use point of care devices are aware, the immunoassays on these devices only indicate whether the patient is positive or negative for the benzodiazepine class. That is, point of care tests cannot determine which benzodiazepine the patient is taking or, more importantly, if the patient is taking multiple benzodiazepines.

We are not suggesting that it is necessary to send all positive benzodiazepine point of care specimens for further testing; some providers may wish to only send specimens from specific patient populations, such as those who exhibit aberrant behavior, or those at high risk for controlled substance abuse (2).

An unexpected urine drug test (UDT) result demonstrating positive results for multiple benzodiazepines provides an opportunity to further explore the potential underlying reasons. Numerous reasons may exist for this type of unexpected UDT result, including self-treatment of anxiety with an alternative benzodiazepine, self-treatment of another symptom (e.g., insomnia) with an alternative benzodiazepine, and/or duplicate therapy due to lack of patient knowledge regarding which medications are benzodiazepines (e.g., lorazepam for anxiety, temazepam for sleep). In many of these cases patients may not fully recognize the potential risk. However, point of care tests alone will not identify such use or outcomes; only further laboratory testing will provide information that elucidates potentially dangerous duplicate therapy (prescribed or non-medical use) with benzodiazepines.

To reference the same data from the study your article was based on, of the patients who were positive for the benzodiazepine class by Point of Care immunoassay, when tested by LC-MS/MS, 15% were found to be taking additional benzodiazepines compared to those reported as prescribed by their provider.

Those patients may not wish for their physician to know they are self-medicating with benzodiazepines other than what they are “supposed” to be taking, but it is certainly in their best health interest for their physician to know.

On another note, in your article it is suggested that patients who test negative by point of care device for benzodiazepines, and who have not been prescribed those drugs, do not require further laboratory testing by LC-MS/MS. We believe the data may suggest otherwise, and this leads to the second point of use to your readers.

In the study upon which your article was based, 6% of the patients who were not prescribed benzodiazepines were found to be taking them (1). This percentage increased by 50% to 9% of patients when analysis was conducted by LC-MS/MS. (Note: in our studies of hundreds of thousands of patients we find 15% of the population to be using nonprescribed benzodiazepines.) This suggests that somewhere between 9 and 15 out of every 100 pain patients are taking non-prescribed benzodiazepines.

In light of this demonstrated ability to reduce the incidences of false negative results at the point of care, we believe physicians should carefully consider whether sending specimens for further testing by LC-MS/MS may be the better course to minimize patient risk, at least for certain higher risk patients.

The third point of information we’d like to men-
In Response: 3 Things to Consider Before Relying Solely on Point of Care Tests for Determining Benzodiazepine Use in Chronic Pain

To the Editor:

We appreciate Dr. Pesce’s and West’s comments on the manuscript. As they have illustrated, they were involved in the laboratory testing of the data of our publications (1-3). It appears that, they contend, based on 5% to 9% of patients using alternative benzodiazepine, essentially we should send all the tests to the lab.

It is ultimately up to each physician to assess on a case by case basis the clinical value, risks, and benefits for conducting urine drug testing. As the title of this letter indicates, we have offered your readers 3 evidence-based considerations when making the most informed decision possible when testing for benzodiazepines.

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REFERENCES:
For this, they also quote a study conducted by Laffer et al (4) which is part of Millennium Research Institute, part of Millennium Laboratories. This is considered not based on evidence and as promoting the urine drug industry by many. Further, a recent manuscript essentially shows that urine drug testing is not the practice of medicine; rather, it is a business model for profit centers (5).

Overall, considering the issues related to exploding health care costs and physicians’ ability to provide any type of service based on the costs, it is essential to take a conservative approach with patient’s history and drug testing results performed in the office. Even though, drug testing has become a cottage industry costing numerous health care dollars and resulting in significant curtailing of access to these drugs, a cost-effective and clinically effective approach is the one we have suggested in our manuscript (6).

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