

An Analysis of the HumaPen® Luxura™ HD Pen: What Is the Role of 0.5-Unit Insulin Dosing?

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Abstract

The HumaPen® Luxura™ HD is an insulin pen device that has the ability to deliver insulin in half-unit increments. This study demonstrates the precision of this pen device using a computer-controlled dose accuracy glide force system. Although one other half-unit pen device is currently on the market, we are not aware of any studies using a similar methodology to verify its precision and accuracy. Clinical experience in treating a select group of adults with diabetes demonstrates the need for such a device. Although there are no outcome studies, this device should help to improve glycemic control and reduce hypoglycemia in such patients. We believe a half-unit insulin pen device is beneficial to more than just the pediatric population, and therefore, this device represents an improvement in present technology.

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Abbreviations: (DAGF) dose accuracy glide force

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