



MEMORANDUM

Tidepool publishes four-part blog post on design process behind new Bionic Pancreas (iLet) user interface - July 23, 2015

Over the past couple weeks, Tidepool has put together a [fascinating series of blog posts](#) detailing the design process behind the new Bionic Pancreas (iLet) user interface - as a reminder, the fully integrated, dual-chamber, touchscreen prototype device was first unveiled by the highly-admired Dr. Ed Damiano at Friends for Life. The [blog posts](#) are a fascinating read into the nuances of automated insulin delivery device design, particularly the balance between human and machine interaction; the right level of alarms; how to design menus; and even why using a keypad makes the most sense. The [Tidepool blog is here](#); it's well worth reading the posts in order, starting with [this one](#) from July 10. The UI designs are [available on GitHub here](#), a testament to Tidepool's desire to be transparent and open about everything it does. These posts offer more insight and detail beyond the screenshots [shown by Dr. Damiano at FFL](#). The writing also serves as a terrific reminder about how much thought needs to go into the design of these devices - we love, for example, the focus on "glanceability" - we think that's exactly right (and something Abbott's Freestyle Libre, for example, recently got right with a different product of late - Flash Glucose Monitoring). The Tidepool team has clearly been remarkably thoughtful about its approach, and there is one more post coming to address frequently asked questions. As a reminder, Dr. Damiano hopes to improve the device by making it smaller and enhancing the touchscreen over the next nine months. It would then progress to a human factors and bridging study with a custom-designed infusion set and the Dexcom G5 transmitter in Q2-Q3 2016.

-- by Adam Brown and Kelly Close