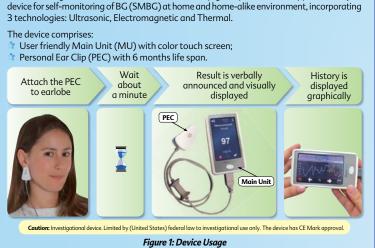
Readiness of *GlucoTrack®* - a Truly Non-Invasive Glucose Monitor for Home Use

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Background Invasive blood glucose (BG) monitoring lacks utilization due to its painful, costly and complex



manner of use. Non-Invasive (NI) monitors can overcome these limitations and thus improve BG monitoring adherence. *Gluco Track* model DF-F (Figure 1) is a CE Mark approved, truly NI

Key features of **GlucoTrack** model DF-F:



Method

Gluco Track performances were evaluated in various clinical trials, including simulating homealike environment by subjects of both genders and diabetes types, as well as diverse BMI and ages (currently ≥18 years). At the beginning of the study each subject underwent individual calibration, which took about 2 hours (Figure 2).

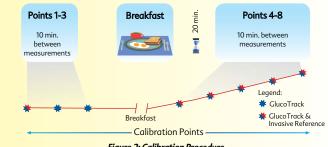


Figure 2: Calibration Procedure

- All measurements of a given subject were taken based on that individual calibration;
 Subjects participated in the trial for up to 6 months, in order to verify the calibration validity period;
- Feedback survey regarding device usability and users satisfaction was analyzed.

Results

Clarke Error Grid (CEG) analysis of 10,710 data points (172 subjects), over up to 6 months of operation shows that 95.9% of the points fall within the clinically accepted A+B zones. Mean and Median Absolute Relative Differences (ARD) of 31.4% and 24.8% were observed, accordingly.

No degradation in performance was noticed as a function of time elapsed from calibration (Table 1, Figure 3).



| Table 1: Device Accuracy as a Function of Time Elapsed From Calibration | | | | | | |
|---|------------------|---------------------|----------------------|-------------------|-----------------|-------------------|
| Acc. Time Post Calibration | # of Subjects | # of Data Points | CEG A+B Zones (%) | CEG A Zone (%) | Mean ARD (%) | Median ARD (%) |
| 1 st month | 172 | 8,023 | 95.7 | 41.2 | 31.7 | 24.8 |
| 2 nd month | 22 | 728 | 97.5 | 42.6 | 30.4 | 23.6 |
| 3 rd month | 14 | 571 | 96.8 | 39.1 | 33.0 | 26.1 |
| 4 th month | 12 | 545 | 96.5 | 43.9 | 29.4 | 23.6 |
| 5 th month | 9 | 429 | 95.1 | 43.1 | 28.4 | 23.7 |
| 6 th month | 9 | 414 | 95.7 | 38.6 | 30.2 | 26.7 |
| Accumulated | 172 | 10,710 | 95.9 | 41.3 | 31.4 | 24.8 |

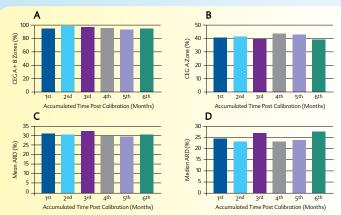
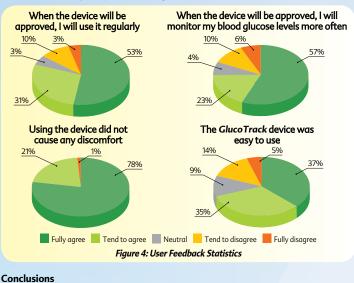


Figure 3: Device Accuracy Throughout Six Months From Calibration Assessed by: [A] CEG A+B Zones; [B] CEG A Zone; [C] Mean ARD; [D] Median ARD

Users feedback analysis is presented in Figure 4.



- GlucoTrack demonstrates acceptable accuracy (96% in zones A+B of the CEG). GlucoTrack can be GlucoTrack maintains its performance level after considered calibration for the entire life span of the PEC (6 months). as a useful 🟦 Users feedback demonstrates: home-use Hiah satisfaction: solution ✓ Fase of use for SMBG Willingness to use GlucoTrack more frequently than invasive devices.
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