

**Publication Alert**

Abstract | **Case report/series** | Retrospective study | Controlled study | Randomized, placebo-controlled study | Review article |  
Commentary

**Title: Functionality of a novel follitropin alfa pen injector: results from human factor interactions by patients and nurses biologics**

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**Citation: Expert Opinion on Drug Delivers, DOI: 10.1080/17425247.2018.1459559**

**SUMMARY**

**Objective:** The main objective of this user experience testing study was to evaluate the impact of human factors on the use of a disposable pen containing follitropin alfa by patients and nurses with special focus on the convenience, safety and ease of use, in different types of stimulation protocols.

**Methods:** Infertile women trying to conceive, and specialist nurses were recruited across 6 European countries. In total 18 patients and 19 nurses took part in the testing, which included both nurse-patient pairings and in-depth interviews. A standardized list of expected and pre-defined critical steps according to the Instructions for Use (IFU), was used to assess the correct handling of the pen.

**Results:** During the user experience testing, no critical errors, related to the use of the pen, which could affect the success of the injection process were identified. In general, both nurses and patients found the pen very easy to learn, use and would be confident using the pen for self-injection. Nurses also found the pen very easy to train the patients.

**Conclusions:** The study provides valuable information on the pen from both patient and nurse perspectives in different simulated scenarios reflecting standard practice.

**Key Communication Support**

- No critical errors related to the use of the pen, which in turn could lead to incorrect dosing, thus strengthening the suitability of the pen in clinical practice
- Pen is overall easy to learn, teach, use and change dose
- Use of the pen is easy to adapt to all types of diverse dosing scenarios
- Nurses also found it easy to train patients with the pen
- Patients would feel very confident using the pen alone at home
- User experience also showed the importance of the nurse in the process

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