

Table S1 Questions of the international online survey to evaluate current options for subcutaneous injection of MTX and a new button-free MTX autoinjector

No.	Question	Answers
1	How satisfied are you with the pre-filled MTX pens that are currently available on the market (physicians/nurses) / the pen you currently use (patients)?	Scale ranging from "Not at all satisfied = 1" to "Very satisfied = 10"
2	What specific medical arguments might advocate the use of an MTX pen as opposed to a pre-filled syringe (physicians/nurses)?	Open (in own words)
3	What's your first impression of the new pre-filled MTX pen?	<ul style="list-style-type: none"> - Positive - Ambivalent - Negative - Don't know yet
4	How relevant to you are the following criteria of the new MTX pen?	<ul style="list-style-type: none"> - 2-step auto-injector (1. Remove cap; 2. Place on skin and push firmly - injection starts) - Small injection volume - Pen is available in 10 different doses (from 7.5mg - 30mg) - Less than 5 seconds injection time - Viewing window for the medication - Visual control of completed injection via marker in the viewing window - Audible signals at the beginning and end of injection - Hidden needle - Large label containing information on substance and dosage - Prominent colour code for different dosages - Angular pen shape - Pen components are produced in a CO₂-neutral manner - Small package
5	Where can you see the most relevant advantages of the new pre-filled MTX pen? - Focus on some individual features of the new pre-filled MTX pen: Please select up to three major benefits of each feature	Different answers predefined for each feature as shown in Figure 2 with regard to the four most important features.
6	How likely is it that you'd use this new pre-filled MTX pen?	<ul style="list-style-type: none"> - Very likely - Likely - Undecided - Unlikely - Not likely at all
7	What would be your major concerns if the currently prescribed (physicians) or used (nurses/patients) MTX pen was replaced by the new pen?	<ul style="list-style-type: none"> - Cost/pricing - Difficulty in patient adoption / patient reluctance - Patient re-education / training need - Difficult/confusing to use - Doubts on efficacy - Questions on reliability - Safety - Availability in pharmacies / logistics - Other please specify - No concerns - Don't know