

Supplementary materials

	Questionnaire
Interviewer read: The study we are currently conducting is about two different auto injectors used to delivery of Rheumatoid Arthritis medication. You are already experienced with one of them, the Enbrel MYCLIC autoinjector, the second is a new autoinjector and not available yet. Both autoinjectors shown during this interview are completely safe and do not contain any active substances or needles. The aim of the discussion is about handling of the autoinjectors.	
<i>Interviewer instruction:</i> <i>Please ask the nurses for handing over the patient-related material.</i> <i>Please collect all materials and send it to us.</i> <i>If they have to take it back please make photographs of it and send those over as soon as possible (together with the updated excel sheet).</i>	

1.	First of all, I will read out several attributes which can be more or less important for you when using an autoinjection device in general. Please rate the importance of each attribute on a scale from 1 to 7, where 1 means "Not important at all" and 7 means "Extremely important". How important is...? ITEMS RANDOM <table border="1" data-bbox="316 622 1362 1429"> <thead> <tr> <th></th> <th></th> <th>Not important at all</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Extremely important</th> </tr> <tr> <th></th> <th></th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Size of the autoinjector</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>2</td> <td>Attractive design of the autoinjector</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>3</td> <td>Easy to grip the autoinjector</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>4</td> <td>Easy to operate the self-injection with the autoinjector</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>5</td> <td>Audible feedback after treatment has been successfully injected</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>6</td> <td>Visual feedback after treatment has been successfully injected</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>7</td> <td>Concealing the injection needle in the injector body</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>8</td> <td>Intuitive/ self-explaining usage</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>9</td> <td>Button free autoinjector (to start the injection without pushing a button)</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>10</td> <td>Weight of the autoinjector</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> </tbody> </table>										Not important at all						Extremely important			1	2	3	4	5	6	7	1	Size of the autoinjector	☐	☐	☐	☐	☐	☐	☐	2	Attractive design of the autoinjector	☐	☐	☐	☐	☐	☐	☐	3	Easy to grip the autoinjector	☐	☐	☐	☐	☐	☐	☐	4	Easy to operate the self-injection with the autoinjector	☐	☐	☐	☐	☐	☐	☐	5	Audible feedback after treatment has been successfully injected	☐	☐	☐	☐	☐	☐	☐	6	Visual feedback after treatment has been successfully injected	☐	☐	☐	☐	☐	☐	☐	7	Concealing the injection needle in the injector body	☐	☐	☐	☐	☐	☐	☐	8	Intuitive/ self-explaining usage	☐	☐	☐	☐	☐	☐	☐	9	Button free autoinjector (to start the injection without pushing a button)	☐	☐	☐	☐	☐	☐	☐	10	Weight of the autoinjector	☐	☐	☐	☐	☐	☐	☐
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	Interviewer instruction: Please start with the new autoinjector. For the new autoinjector: 1) play the demonstration video 2) Demonstrate how it is been used 3) Show patient quick reference guide. 4) Now, put the Enbrel MYCLIC Autoinjector and the new autoinjector in front of the respondent. 5) Finally, let the respondent handle the new autoinjector.																																																																																																																			
	Interviewer read: Thinking of the two auto-injectors on display, I now have some questions about your preference. When answering these questions I would like you to think only about the auto-injectors themselves																																																																																																																			

	not the drugs they administer or their effect. For each feature below, please indicate which auto-injector performs best
2.	Which of these two autoinjectors do you think has the better size? Enbrel MYCLIC.....☐ New autoinjector.....☐ Both are the same.....☐ Interviewer: Let respondent tick only one answer
3.	Which of these two autoinjectors do you think has the more attractive design? Enbrel MYCLIC.....☐ New autoinjector.....☐ Both are the same.....☐ Interviewer: Let respondent tick only one answer
4.	Which of these two autoinjectors do you think is easier to grip? Enbrel MYCLIC.....☐ New autoinjector.....☐ Both are the same.....☐ Interviewer: Let respondent tick only one answer
5.	Which of these two autoinjectors do you think is easier to operate the self-injection? Enbrel MYCLIC.....☐ New autoinjector.....☐ Both are the same.....☐ Interviewer: Let respondent tick only one answer
6.	Which of these two autoinjectors do you think has the better audible feedback after a successful injection? Enbrel MYCLIC.....☐ New autoinjector.....☐ Both are the same.....☐ Interviewer: Let respondent tick only one answer
7.	Which of these two autoinjectors do you think has the better visual feedback after a successful injection? Enbrel MYCLIC.....☐ New autoinjector.....☐ Both are the same.....☐ Interviewer: Let respondent tick only one answer
8.	Which of these two autoinjectors conceals the injection needle in the injector body better? Enbrel MYCLIC.....☐ New autoinjector.....☐

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9.	Which of these two autoinjectors is more intuitive/ self-explaining to use? Enbrel MYCLIC..... ☐ New autoinjector..... ☐ Both are the same..... ☐ Interviewer: Let respondent tick only one answer																														
10.	Which one is a button free device and therefore able to deliver the medication without pressing a button? Enbrel MYCLIC..... ☐ New autoinjector..... ☐ Both are the same..... ☐ Interviewer: Let respondent tick only one answer																														
10b.	In Q1 you rated the importance of button free autoinjector with ... (INTERVIEWER: Include importance rating according Q1 Item 9) out of a 7 point scale with 1 "Not important at all" and 7 "Extremely important". Please rank the following benefits of a button free autoinjector for your patients from 1 to 5 where 1: "This benefit is most relevant for my patients" and 5: "This benefit is less relevant for my patients" <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 5%; text-align: center;">1</td><td>Less steps to use the autoinjector</td></tr> <tr><td style="text-align: center;">2</td><td>Easy to handle for elderly patients</td></tr> <tr><td style="text-align: center;">3</td><td>Low risk of slipping away</td></tr> <tr><td style="text-align: center;">4</td><td>Less power to self-inject</td></tr> <tr><td style="text-align: center;">5</td><td>No need to do multiple things simultaneously</td></tr> </table>	1	Less steps to use the autoinjector	2	Easy to handle for elderly patients	3	Low risk of slipping away	4	Less power to self-inject	5	No need to do multiple things simultaneously																				
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10c.	Now please let me know for each of the following attributes which of the autoinjectors fits best for... <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 5%;"></th><th style="width: 55%;"></th><th style="width: 15%;">Enbrel MYCLIC</th><th style="width: 15%;">New autoinjector</th><th style="width: 15%;">Both are the same</th></tr> <tr><td style="text-align: center;">1</td><td>Less steps to use</td><td></td><td></td><td></td></tr> <tr><td style="text-align: center;">2</td><td>Easy to handle for elderly patients</td><td></td><td></td><td></td></tr> <tr><td style="text-align: center;">3</td><td>Low risk of slipping away</td><td></td><td></td><td></td></tr> <tr><td style="text-align: center;">4</td><td>Less power to self-inject with ...</td><td></td><td></td><td></td></tr> <tr><td style="text-align: center;">5</td><td>No need to do multiple things simultaneously</td><td></td><td></td><td></td></tr> </table>			Enbrel MYCLIC	New autoinjector	Both are the same	1	Less steps to use				2	Easy to handle for elderly patients				3	Low risk of slipping away				4	Less power to self-inject with ...				5	No need to do multiple things simultaneously			
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11.	Which of these two autoinjectors do you think has the right weight? Enbrel MYCLIC..... ☐ New autoinjector..... ☐ Both are the same..... ☐ Interviewer: Let respondent tick only one answer																														

12.	Now, taking into account the information you received from the handling leaflet, the video and your own handling of the autoinjectors, overall which autoinjector would your patients prefer to use for self-injection for your rheumatoid arthritis (RA) treatment? Enbrel MYCLIC.....☐ New autoinjector.....☐ No preference☐ Interviewer: Let respondent tick only one answer																																																							
13.	You mentioned that [answer from Q12 if Enbrel MYCLIC or new autoinjector was chosen] is your preferred autoinjector for your rheumatoid arthritis (RA) treatment. What are the main reasons for your choice? Please select the 1st, 2nd and 3rd most important reasons for your decision. <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 5%;"></th> <th style="width: 45%;"></th> <th style="width: 15%;">1st reason</th> <th style="width: 15%;">2nd reason</th> <th style="width: 20%;">3rd reason</th> </tr> </thead> <tbody> <tr><td>1</td><td>Size of the autoinjector</td><td>☐</td><td>☐</td><td>☐</td></tr> <tr><td>2</td><td>Attractive design of the autoinjector</td><td>☐</td><td>☐</td><td>☐</td></tr> <tr><td>3</td><td>Easy to grip the autoinjector</td><td>☐</td><td>☐</td><td>☐</td></tr> <tr><td>4</td><td>Easy to operate the self-injection with the autoinjector</td><td>☐</td><td>☐</td><td>☐</td></tr> <tr><td>5</td><td>Audible feedback after treatment has been successfully injected</td><td>☐</td><td>☐</td><td>☐</td></tr> <tr><td>6</td><td>Visual feedback after treatment has been successfully injected</td><td>☐</td><td>☐</td><td>☐</td></tr> <tr><td>7</td><td>Concealing the injection needle in the injector body</td><td>☐</td><td>☐</td><td>☐</td></tr> <tr><td>8</td><td>Intuitive/ self-explaining usage</td><td>☐</td><td>☐</td><td>☐</td></tr> <tr><td>9</td><td>Button free autoinjector (grip the autoinjector and press down into the injection site to start the injection without pushing a button)</td><td>☐</td><td>☐</td><td>☐</td></tr> <tr><td>10</td><td>Weight of the autoinjector</td><td>☐</td><td>☐</td><td>☐</td></tr> </tbody> </table>			1 st reason	2 nd reason	3 rd reason	1	Size of the autoinjector	☐	☐	☐	2	Attractive design of the autoinjector	☐	☐	☐	3	Easy to grip the autoinjector	☐	☐	☐	4	Easy to operate the self-injection with the autoinjector	☐	☐	☐	5	Audible feedback after treatment has been successfully injected	☐	☐	☐	6	Visual feedback after treatment has been successfully injected	☐	☐	☐	7	Concealing the injection needle in the injector body	☐	☐	☐	8	Intuitive/ self-explaining usage	☐	☐	☐	9	Button free autoinjector (grip the autoinjector and press down into the injection site to start the injection without pushing a button)	☐	☐	☐	10	Weight of the autoinjector	☐	☐	☐
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D2 GENDER	Please select your gender <table border="1"> <tr> <td>1</td><td>☐</td><td>Male</td></tr> <tr> <td>2</td><td>☐</td><td>Female</td></tr> </table> SINGLE CODE	1	☐	Male	2	☐	Female																		
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D3	How many years have you been training rheumatoid arthritis (RA) patients about using injectable treatments? _____ YEARS																								
D4 REGION	In which region do your work? UK <table border="1"> <tr> <td>1</td><td>☐</td><td>London</td></tr> <tr> <td>2</td><td>☐</td><td>Manchester</td></tr> </table> SINGLE CODE GERMANY <table border="1"> <tr> <td>1</td><td>☐</td><td>Berlin</td></tr> <tr> <td>2</td><td>☐</td><td>Munich</td></tr> </table> SINGLE CODE FRANCE <table border="1"> <tr> <td>1</td><td>☐</td><td>Paris</td></tr> <tr> <td>2</td><td>☐</td><td>Lyon</td></tr> </table> SINGLE CODE 65% from Paris, 35% from Lyon (<i>information from FW agency</i>) ITALY <table border="1"> <tr> <td>1</td><td>☐</td><td>Rome</td></tr> <tr> <td>2</td><td>☐</td><td>Bari</td></tr> </table> SINGLE CODE	1	☐	London	2	☐	Manchester	1	☐	Berlin	2	☐	Munich	1	☐	Paris	2	☐	Lyon	1	☐	Rome	2	☐	Bari
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Nurse evaluation of autoinjectors

	SPAIN <table border="1" data-bbox="331 291 1241 398"> <tr> <td data-bbox="331 291 397 342">1</td> <td data-bbox="397 291 461 342">☐</td> <td data-bbox="461 291 1241 342">Madrid</td> </tr> <tr> <td data-bbox="331 342 397 398">2</td> <td data-bbox="397 342 461 398">☐</td> <td data-bbox="461 342 1241 398">Barcelona</td> </tr> </table> SINGLE CODE			1	☐	Madrid	2	☐	Barcelona
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General observations:									

New autoinjector=Benepali®