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Table SI. Characteristics of all TREATgermany patients, as compared to both the upadacitinib cohort with a start visit on upadacitinib and the study cohort with at least one follow-up visit on upadacitinib. The table displays information regarding study site, age, body mass index (BMI), sex, socioeconomic factors and relevant comorbidities. Discrepancies in totals are due to missing data

| Baseline Characteristic                       | Upadacitinib start in the registry | Upadacitinib start in registry and 1. FUV | TREATgermany          |
|-----------------------------------------------|------------------------------------|-------------------------------------------|-----------------------|
| <b>Number of Patients</b>                     | 97                                 | 76                                        | 2,012                 |
| <b>Study site</b>                             |                                    |                                           |                       |
| clinic                                        | 43 (44.3%)                         | 35 (46.1%)                                | 1,267 (63.0%)         |
| practice                                      | 54 (55.7%)                         | 41 (53.9%)                                | 745 (37.0%)           |
| <b>Age, mean ± SD (N)</b>                     | 36.7 ± 14.2                        | 36.9 ± 13.0                               | 39.8 ± 14.8 (n=2,012) |
| <b>Age at start visit, mean ± SD (N)</b>      | 37.4 ± 14.3                        | 37.7 ± 13.2                               | -                     |
| <b>BMI, mean ± SD (N)</b>                     | 26.8 ± 5.5                         | 26.9 ± 5.8                                | 25.8 ± 5.2 (n=1,963)  |
| <b>Sex</b>                                    | N=97                               | N=76                                      | N=2,012               |
| male                                          | 56 (57.7%)                         | 48 (63.2%)                                | 1,088 (54.1%)         |
| female                                        | 41 (42.3%)                         | 28 (36.8%)                                | 922 (45.8%)           |
| divers                                        | -                                  | -                                         | 2 (0.1%)              |
| <b>Education</b>                              |                                    |                                           |                       |
| Without graduation                            | -                                  | -                                         | 19 (1.0%)             |
| Certificate of secondary education            | 12 (12.9%)                         | 7 (9.5%)                                  | 243 (12.3%)           |
| General certificate of secondary education    | 29 (31.2%)                         | 23 (31.1%)                                | 652 (33.1%)           |
| General qualification for university entrance | 35 (37.6%)                         | 29 (39.2%)                                | 560 (28.4%)           |
| Graduate degree                               | 17 (18.3%)                         | 15 (20.3%)                                | 497 (25.2%)           |
| <b>Age of onset</b>                           |                                    |                                           |                       |
| Since infancy                                 | 47 (50.0%)                         | 39 (53.4%)                                | 1,100 (55.8%)         |
| Since preschool                               | 13 (13.8%)                         | 11 (15.1%)                                | 305 (15.5%)           |
| Since adolescence                             | 16 (17.0%)                         | 11 (15.1%)                                | 245 (12.4%)           |
| Since adulthood                               | 18 (19.1%)                         | 12 (16.4%)                                | 299 (15.2%)           |
| Unknown                                       | -                                  | -                                         | 22 (1.1%)             |
| <b>Smoking Status</b>                         | N=93                               | N=76                                      | N=1,963               |
| Smoker                                        | 23 (24.7%)                         | 20 (27.0%)                                | 498 (25.2%)           |
| Ex-Smoker (< 10 years without smoking)        | 12 (12.9%)                         | 11 (14.9%)                                | 278 (14.1%)           |

|                                              |            |            |               |
|----------------------------------------------|------------|------------|---------------|
| Ex-Smoker ( $\geq 10$ years without smoking) | 8 (8.6%)   | 3 (4.1%)   | 196 (9.9%)    |
| Never Smoked                                 | 50 (53.8%) | 40 (54.1%) | 1,001 (50.7%) |
| <b>Rhinitis present</b>                      | 47 (50.5%) | 37 (50.7%) | 1,176 (61.5%) |
| <b>Asthma present</b>                        | 30 (32.6%) | 27 (37.5%) | 823 (42.4%)   |
| <b>Non-allergic comorbidities present</b>    |            |            |               |
| Hypertension                                 | 17 (17.7%) | 13 (17.3%) | 316 (15.9%)   |
| Cardiac insufficiency                        | 1 (1.0%)   | 1 (1.3%)   | 11 (0.6%)     |
| Heart failure                                | -          | -          | 15 (0.9%)     |
| Inflammatory bowel disease                   | 4 (4.2%)   | 3 (3.9%)   | 25 (1.3%)     |
| Rheumatoid arthritis                         | -          | -          | 5 (0.3%)      |
| Cancer in the past                           | -          | -          | 36 (2.0%)     |
| Serious infections                           | 2 (2.2%)   | 2 (2.8%)   | 33 (1.9%)     |