SUPPLEMENTARY TABLES OF SUBGROUP ANALYSIS

Supplementary Table 1A. Retest uptake proportion of patients younger than 25 years of age randomized to 3 time to retest intervals, study period May 2012-December 2013, STI clinic Amsterdam, the Netherlands.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | Assigned to retest after 8 weeks | Assigned to retest after 16 weeks | Assigned to retest after 26 weeks | *P* value\* | Total |
|  |  | n (%) | n (%) | n (%) |  | N (%) |
|  | Total | 489 | 453 | 476 |  | 1418 |
|  |  |  |  |  | <0.001 |  |
| A | Returned > 1 week before assigned date | 29 (5.9) | 64 (14.1) | 117 (24.6) |  | 210 (14.8) |
| B | Returned ≤ 1 week before to ≤6 weeks after assigned date | 312 (63.8) | 232 (51.2) | 180 (37.8) |  | 724 (51.1) |
| C | Returned > 6 weeks after assigned date up to 8 months after study inclusion | 39 (8.0) | 22 (4.9) | 3 (0.6) |  | 64 (4.5) |
| D | Not returned ≤ 35 weeks after study inclusion | 109 (22.3) | 135 (29.8) | 176 (37.0) |  | 420 (29.6) |
| A+B+C | Returned ≤ 35 weeks after study inclusion | 380 (77.7) | 318 (70.2) | 300 (63.0) |  | 998 (70.4%) |

\**P* value of categories A, B, C, D

Supplementary Table 1B. Proportion *Chlamydia trachomatis* positive patients younger than 25 years of age randomized to 3 time to retest intervals, study period May 2012-December 2013, STI clinic Amsterdam, the Netherlands.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | Assigned to retest after 8 weeks | Assigned to retest after 16 weeks | Assigned to retest after 26 weeks | p-value | Total |
|  |  | n (%) | n (%) | n (%) |  | N (%) |
|  | Total | 43/380 (11.3) | 38/315 (12.1) | 49/300 (16.3) | 0.127 | 130/995 (13.1) |
| A | Returned > 1 week before assigned date | 10/29 (34.5) | 10/63 (15.9) | 27/117 (23.1) | 0.135 | 47/209 (22.5) |
| B | Returned ≤ 1 week before to ≤6 weeks after assigned date | 27/312 (8.7) | 22/230 (9.6) | 22/180 (12.2) | 0.435 | 71/722 (9.8) |
| C | Returned > 6 weeks after assigned date up to 35 weeks after study inclusion | 6/39 (15.4) | 6/22 (27.3) | 0/3 (0.0) | 0.633 | 12/64 (18.8) |

In total 3 patients had a missing or invalid CT test result, therefore some denominators are smaller than the number of patients with retest uptake.

Supplementary Table 2A. Retest uptake proportion of patients ≥25 years of age randomized to 3 time to retest intervals, study period May 2012-December 2013, STI clinic Amsterdam, the Netherlands.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | Assigned to retest after 8 weeks | Assigned to retest after 16 weeks | Assigned to retest after 26 weeks | *P* value \* | Total |
|  |  | n (%) | n (%) | n (%) |  | N (%) |
|  | Total | 316 | 250 | 269 |  | 835 |
|  |  |  |  |  | <0.001 |  |
| A | Returned > 1 week before assigned date | 8 (2.5) | 29 (11.6) | 43 (16.0) |  | 80 (9.6) |
| B | Returned ≤ 1 week before to ≤6 weeks after assigned date | 210 (66.5) | 120 (48.0) | 131 (48.7) |  | 461 (55.2) |
| C | Returned > 6 weeks after assigned date up to 8 months after study inclusion | 22 (7.0) | 7 (2.8) | 4 (1.5) |  | 33 (4.0) |
| D | Not returned ≤ 35 weeks after study inclusion | 76 (24.1) | 94 (37.6) | 91 (33.8) |  | 261 (31.3) |
| A+B+C | Total of those returned ≤ 35 weeks after study inclusion | 240 (75.9) | 156 (62.4) | 178 (66.2) |  | 574 (68.7) |

\**P* value of categories A, B, C, D

Supplementary Table 2B. Proportion *Chlamydia trachomatis* positive patients ≥25 years of age randomized to 3 time to retest intervals, study period May 2012-December 2013, STI clinic Amsterdam, the Netherlands.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | Assigned to retest after 8 weeks | Assigned to retest after 16 weeks | Assigned to retest after 26 weeks | p-value | Total |
|  |  | n (%) | n (%) | n (%) |  | N (%) |
|  | Total | 26/239 (10.9) | 14/155 (9.0) | 20/176 (11.4) | 0.767 | 60/570 (10.5) |
| A | Returned > 1 week before assigned date | 4/8 (50%) | 2/29 (6.9) | 9/43 (20.9) | 0.019 | 15/80 (18.8) |
| B | Returned ≤ 1 week before to ≤6 weeks after assigned date | 18/210 (8.6) | 11/119 (9.2) | 11/129 (8.5) | 0.974 | 40/458 (8.7) |
| C | Returned > 6 weeks after assigned date up to 35 weeks after study inclusion | 4/21 (19.0) | 1/7 (14.3) | 0/4 (0) | 0.477 | 5/32 (15.6) |

In total 4 patients had a missing or invalid CT test result, therefore some denominators are smaller than the number of patients with retest uptake.

Supplementary Table 3A. Retest uptake proportion of men randomized to 3 time to retest intervals, study period May 2012-December 2013, STI clinic Amsterdam, the Netherlands.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | Assigned to retest after 8 weeks | Assigned to retest after 16 weeks | Assigned to retest after 26 weeks | *P* value\* | Total |
|  |  | n (%) | n (%) | n (%) |  | N (%) |
|  | Total | 358 | 318 | 338 |  | 1014 |
|  |  |  |  |  | <0.001 |  |
| A | Returned > 1 week before assigned date | 15 (4.2) | 35 (11.0) | 69 (20.4) |  | 119 (11.7) |
| B | Returned ≤ 1 week before to ≤6 weeks after assigned date | 219 (61.2) | 140 (44.0) | 127 (37.6) |  | 486 (47.9) |
| C | Returned > 6 weeks after assigned date up to 8 months after study inclusion | 26 (7.3) | 10 (3.1) | 5 (1.5) |  | 41 (4.0) |
| D | Not returned ≤ 35 weeks after study inclusion | 98 (27.4) | 133 (41.8) | 137 (40.5) |  | 368 (36.3) |
| A+B+C | Total of those returned ≤ 35 weeks after study inclusion | 260 (72.6) | 185 (58.2) | 201 (59.5) |  | 646 (63.7) |

\**P* value of categories A, B, C, D

Supplementary Table 3B. Proportion *Chlamydia trachomatis* positive men randomized to 3 time to retest intervals, study period May 2012-December 2013, STI clinic Amsterdam, the Netherlands.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | Assigned to retest after 8 weeks | Assigned to retest after 16 weeks | Assigned to retest after 26 weeks | p-value | Total |
|  |  | n (%) | n (%) | n (%) |  | N (%) |
|  | Total | 41/259 (15.8) | 24/183 (13.1) | 36/199 (18.1) | 0.411 | 101/641 (15.8) |
| A | Returned > 1 week before assigned date | 7/15 (46.7) | 7/34 (20.6) | 20/69 (29.0) | 0.178 | 34/118 (28.8) |
| B | Returned ≤ 1 week before to ≤6 weeks after assigned date | 26/219 (11.9) | 15/139 (10.8) | 16/125 (12.8) | 0.879 | 57/426 (11.8) |
| C | Returned > 6 weeks after assigned date up to 35 weeks after study inclusion | 8/25 (32.0) | 2/10 (20.0) | 0/5 (0.0) | 0.293 | 10/40 (25.0) |

In total 5 patients had a missing or invalid CT test result, therefore some denominators are smaller than the number of patients with retest uptake.

Supplementary Table 4A. Retest uptake proportion of women randomized to 3 time to retest intervals, study period May 2012-December 2013, STI clinic Amsterdam, the Netherlands.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | Assigned to retest after 8 weeks | Assigned to retest after 16 weeks | Assigned to retest after 26 weeks | *P* value\* | Total |
|  |  | n (%) | n (%) | n (%) |  | N (%) |
|  | Total | 447 | 385 | 407 |  | 1239 |
|  |  |  |  |  | <0.001 |  |
| A | Returned > 1 week before assigned date | 22 (4.9) | 58 (15.1) | 91 (22.4) |  | 171 (13.8) |
| B | Returned ≤ 1 week before to ≤6 weeks after assigned date | 303 (67.8) | 212 (55.1) | 184 (45.2) |  | 699 (56.4) |
| C | Returned > 6 weeks after assigned date up to 8 months after study inclusion | 35 (7.8) | 19 (4.9) | 2 (0.5) |  | 56 (4.5) |
| D | Not returned ≤ 35 weeks after study inclusion | 87 (19.5) | 96 (24.9) | 130 (31.9) |  | 313 (25.3) |
| A+B+C | Total of those returned ≤ 35 weeks after study inclusion | 360 (80.5) | 289 (75.1) | 277 (68.1) |  | 926 (74.7) |

\**P* value of categories A, B, C, D

Supplementary Table 4B. Proportion *Chlamydia trachomatis* positive women randomized to 3 time to retest intervals, study period May 2012-December 2013, STI clinic Amsterdam, the Netherlands.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | Assigned to retest after 8 weeks | Assigned to retest after 16 weeks | Assigned to retest after 26 weeks | p-value | Total |
|  |  | n (%) | n (%) | n (%) |  | N (%) |
|  | Total | 28/360 (7.8) | 28/287 (9.8) | 33/277 (11.9) | 0.214 | 89/924 (9.6) |
| A | Returned > 1 week before assigned date | 7/22 (31.8) | 5/58 (8.6) | 16/91 (17.6) | 0.039 | 28/171 (16.4) |
| B | Returned ≤ 1 week before to ≤6 weeks after assigned date | 19/303 (6.3) | 18/210 (8.6) | 17/184 (9.2) | 0.428 | 54/697 (7.7) |
| C | Returned > 6 weeks after assigned date up to 35 weeks after study inclusion | 2/35 (5.7) | 5/19 (26.3) | 0/2 (0) | 0.135 | 7/56 (12.5) |

In total 2 patients had a missing or invalid CT test result, therefore some denominators are smaller than the number of patients with retest uptake.