**S2 Table. Cure and intensity reduction rates after one, two, three and four treatments with PZQ at two-week intervals in school-aged children infected with *S. mansoni* based on triplicate Kato-Katz thick smears from a single stool sample and single point-of-care circulating cathodic antigen (POC-CCA) urine cassette test.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Standard treatment** **group** | **Intense treatment** **group** |  |  |  |
|  | First treatment W0 | First treatment W0 | Second treatment W2 | Third treatment W4 | Fourth treatmentW6 |
| **Kato-Katz** | N=70 | N=83 | N=82 | N=82 | N=78 |
| Infected children before treatmenta | 70 | 83 | 83 | 83 | 83 |
| Cured children after treatmentb | 55 | 64 | 80 | 76 | 69 |
| CRc | 80.8%(95% CI 69.6-88.6) | 80.0%(95% CI 68.8-85.0) | 96.0%(95% CI 89.2-98.6) | 98.2%(95% CI 91.4-99.7) | 86.0%(95% CI 75.4-92.4) |
| Median EPGd |  |  |  |  |  |
| Before treatment | 172 | 128 | 128 | 128 | 128 |
| After treatmentb | 8*(out of 13 positive)* | 12*(out of 18 positive)* | 8*(out of 3 positive)* | 8*(one positive)* | 8*(out of 11 positive)* |
| Arithmetic mean EPG |  |  |  |  |  |
| Before treatment | 298.2 | 242.7 | 242.7 | 242.7 | 242.7 |
| After treatmentb | 46.2 | 6.0 | 0.3 | 0.1 | 3.2 |
| IRRe | 95.6%(95% CI 90.4-98.0) | 97.1%(95% CI 94.1-98.6) | 99.9%(95% CI 99.7-100.0) | 100.0%(95% CI 99.9-100.0) | 95.1%(95% CI 85.1-98.4) |
| **POC-CCA (traces considered negative)** |  |  |  |  |  |
| Infected children before treatmenta | 70 | 83 | 83 | 83 | 83 |
| Cured children after treatmentb | 18 | 20 | 30 | 29 | 29 |
| CRc | 20.9%(95% CI15.0-28.4) | 23.2%(95% CI 16.6-31.3) | 44.4%(95% CI 35.5-53.7) | 47.7%(95% CI 38.8-56.7) | 35.7%(95% CI 26.4-46.1) |
| Median G-scored |  |  |  |  |  |
| Before treatment | 6 | 7 | 7 | 7 | 7 |
| After treatmentb | 6 | 6 | 5 | 5 | 6 |
| Arithmetic mean G-score |  |  |  |  |  |
| Before treatment | 6.4 | 6.3 | 6.3 | 6.3 | 6.3 |
| After treatmentb | 5.4 | 5.7 | 4.7 | 4.2 | 4.6 |
| IRRf | 15.6% | 9.5% | 25.4% | 33.3% | 27.0% |

Abbreviations: CR, cure rate; EPG, eggs per gram of stool; IRR, intensity reduction rate; POC-CCA, point-of-care circulating cathodic antigen test.

a Number of infected children at baseline

b Measured 2 weeks post-treatment for one, two and three treatments and measured 4 weeks post-treatment for four treatments

c CR as calculated from the model based on the probability of being cured

d Median of the positives

e IRR based on the reduction in mean EPG as calculated from the model

f IRR based on the reduction in mean POC-CCA G-score as calculated manually