## 2 Result

### 2.1 Curative Effects

In order to investigate the curative effects of shortening the curative time, we perform the patients’ hematology, and the condition of ALT and ADT for 50 cases. Before the treatment, 3 cases are in abating fever period, and other 47 cases is in fever period. As Figure 2.1 show, there are the patients’ temperature before the treatment.

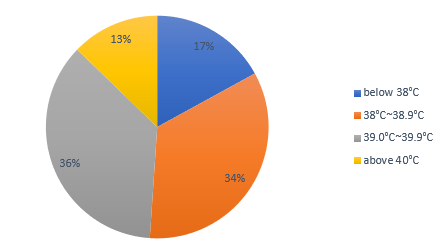


Figure 2.1 the patients’temperature before the treatment

Table 2.1 The condition of patients before and after treatment

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| total | cases | Tf(h) | Tp(h) | d7 | d14 | d21 | d28 |
| 50 | 46 | 17.2±9.9 | 52±20.2 | no recrudescence. | | | |
|
| 3 | no recrudescence | | | missing |
| 1 | Unknow | | | |

Table 2.1 shows the condition from d7 to d28, 46 cases can be recorded from start to end, 3 cases are missing since d21, and the remaining one case is unknow. According to the Table 2.1, All of the patients with the whole 28 days record have no recrudescence. Tf stands for Average fever clearance time, and Tp stands for Average parasite clearance time.

There are 7 cases with gametophyte before curation, and after curation, there is only one case with gametophyte at d3. The gametophyte of 5 cases gradually disappeared within d3~d6 after curation, and the remaining 2 disappeared after d21. The details is in Table 2.2 and Table 2.3.

Table2.2 The situation of hematology

|  |  |  |  |
| --- | --- | --- | --- |
|  | N/case | Nwbc/(X 10^9·L-¹) | Nrbc/（x 10^12·L-¹） |
| before treatment | 46 | 6.3±2.5 | 4.6±0.6 |
| after treatment | 46 | 6.1±2.0 | 4.6±0.5 |

Table2.3 The situation of blood biochemical

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | N/case | Jalt/(U·L-¹) | Jast/(U·L-¹) | Ctb/(μmol·L-¹) | Cdb/(μmol·L-¹) | Ccr/(μmol·L-¹) |
| before treatment | 34 | 15.4±8.8 | 24.2±3.2 | 10.9±5.0 | 3.2±2.3 | 115.9±29.8 |
| after  treatment | 34 | 13.7±8.3 | 18.9±7.7 | 5.8±1.7 | 1.9±1.0 | 106.6±29.9 |

### 2.2 Side Effects

Figure 2.2 The side effects of the patients

As the Figure 2.2 shows, there are no side effects performed locally or generally in most of patients, 3 cases have headache, 1 has anorexia, and another one has pruritus. It only lasts 1~2day, and we can not eliminate condition that they are caused by malaria.

Table 2.4 The condition about abnormality of ALT,AST and total bilirubin

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | N/case | Nalt/case | Nast/case | Ntb/case |
| Before the treatment | 34 | 1(42 U/L) | 1(48 U/L) | 4 |
| After the treatment | 34 | 0(27 U/L) | 0(20 U/L) | 0 |

It is known that the normal value about ALT is 8 ~ 40 U·L-¹,about AST is 8~40U·L-¹ and about the total bilirubin is 1.7~17.1μmol·L-¹

Basing on all the measurement data, we could prove that the Artecom for 2-day malaria treatment is effective and with little side effects.