**S5 Table: Different** **clinical characteristics between pediatric and elderly patients with scrub typhus.**

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| **Characteristics** | **Pediatric patients** **(n=209)** | **Elderly patients** **(n=1,865)** | **p value** |
| Comorbidities |  |  |  |
|  Hypertension | 0 (0) | 517 (27.7) | <0.001 |
|  Diabetes | 0 (0) | 224 (12.0) | <0.001 |
|  Coronary heart disease | 0 (0) | 88 (4.7) | 0.002 |
|  Cerebral infarction | 0 (0) | 107 (5.7) | <0.001 |
|  Viral hepatitis | 0 (0) | 50 (2.7) | 0.031 |
|  COPD | 0 (0) | 42 (2.3) | 0.018 |
| Lifestyles |  |  |  |
|  Smoking | NA | 268 (14.4) | NA |
|  Drinking | NA | 139 (7.5) | NA |
| Non-specific manifestations |  |  |
|  Fever | 209 (100.0) | 1,815 (97.3) | 0.031 |
|  Headache | 37 (17.7) | 853 (45.7) | <0.001 |
|  Dizziness | 10 (4.8) | 545 (29.2) | <0.001 |
|  Feeble | 13 (6.2) | 884 (47.4) | <0.001 |
|  Myalgias | 8 (3.8) | 418 (22.4) | <0.001 |
|  Arthralgia | 0 (0) | 53 (2.8) | 0.025 |
|  Lumbago | 0 (0) | 59 (3.2) | 0.017 |
|  Peripheral edema | 20 (9.6) | 91 (4.9) | 0.007 |
|  Lymphadenopathy | 137 (65.6) | 313 (16.8) | <0.001 |
|  Icteric sclera | 4 (1.9) | 30 (1.6) | 0.771 |
| Skin manifestations |  |  |
|  Skin rash | 98 (46.9) | 190 (10.2) | <0.001 |
|  Eschar/Ulcer | 183 (87.6) | 1,556 (83.4) | 0.150 |
|  Eschar | 148 (70.8) | 1,345 (72.1) | 0.751 |
|  Ulcer | 55 (26.3) | 291 (15.6) | <0.001 |
| Respiratory manifestations |  |  |
|  Cough | 98 (46.9) | 808 (43.3) | 0.362 |
|  Expectoration | 30 (14.4) | 567 (30.4) | <0.001 |
|  Enlarged tonsils | 88 (42.1) | 91 (4.9) | <0.001 |
|  Dyspnea | 7 (3.3) | 103 (5.5) | 0.243 |
| Gastrointestinal manifestations |  |  |
|  Anorexia | 118 (56.5) | 1,346 (72.2) | <0.001 |
|  Nausea | 7 (3.3) | 350 (18.8) | <0.001 |
|  Vomit | 16 (7.7) | 222 (11.9) | 0.087 |
|  Abdominal pain | 24 (11.5) | 168 (9.0) | 0.296 |
|  Diarrhea | 9 (4.3) | 82 (4.4) | >0.999 |
| Hemorrhagic manifestations\* | 13 (6.2) | 87 (4.7) | 0.409 |
|  Ecchymosis | 1 (0.5) | 21 (1.1) | 0.718 |
|  Petechiae | 4 (1.9) | 7 (0.4) | 0.019 |
|  Conjunctival hyperemia | 8 (3.8) | 29 (1.6) | 0.027 |
|  Gingival bleeding | 2 (1.0) | 1 (0.1) | 0.028 |
|  Melena | 0 (0) | 27 (1.4) | 0.103 |
|  Macroscopic hematuria | 0 (0) | 7 (0.4) | >0.999 |
| Neurological manifestations\* | 10 (4.8) | 63 (3.4) | 0.396 |
|  Dysphoria | 7 (3.3) | 12 (0.6) | 0.002 |
|  Convulsion | 2 (1.0) | 13 (0.7) | 0.658 |
|  Confusion | 0 (0) | 28 (1.5) | 0.106 |
|  Lethargy | 0 (0) | 14 (0.8) | 0.385 |
|  Coma | 2 (1.0) | 16 (0.9) | 0.702 |
| Image findings |  |  |
|  Pericardial effusion | 3 (1.4) | 57 (3.1) | 0.268 |
|  Pelvic effusion | 6 (2.9) | 11 (0.6) | 0.005 |
|  Pleural effusion | 28 (13.4) | 263 (14.1) | 0.863 |
|  Chest radiographic abnormality | 32 (15.3) | 533 (28.6) | <0.001 |
|  Ascites | 12 (5.7) | 17 (0.9) | <0.001 |
|  Splenomegaly | 53 (25.4) | 145 (7.8) | <0.001 |
|  Hepatomegaly | 48 (23.0) | 49 (2.6) | <0.001 |

Data are n (%). NA, not applicable.

Pediatric patients, age 0–14 years; elderly patients, age ≥60 years.

All clinical symptoms (non-specific, skin, respiratory, gastrointestinal, hemorrhagic, and neurological) were reported before or on hospital admission, all abnormal image findings were reported after hospital admission.

p value calculated by use of χ2 test or Fisher's exact test between pediatric and elderly patients.

COPD, chronic obstructive pulmonary disease.

Hemorrhagic manifestations\*, patients with one or more hemorrhagic symptoms.

Neurological manifestations\*, patients with one or more neurological symptoms.