

Fig. S1. (A) Case 1. Erythematous eruptions on the abdomen. (B) Case 2. Confluent erythematous eruption all over the trunk.

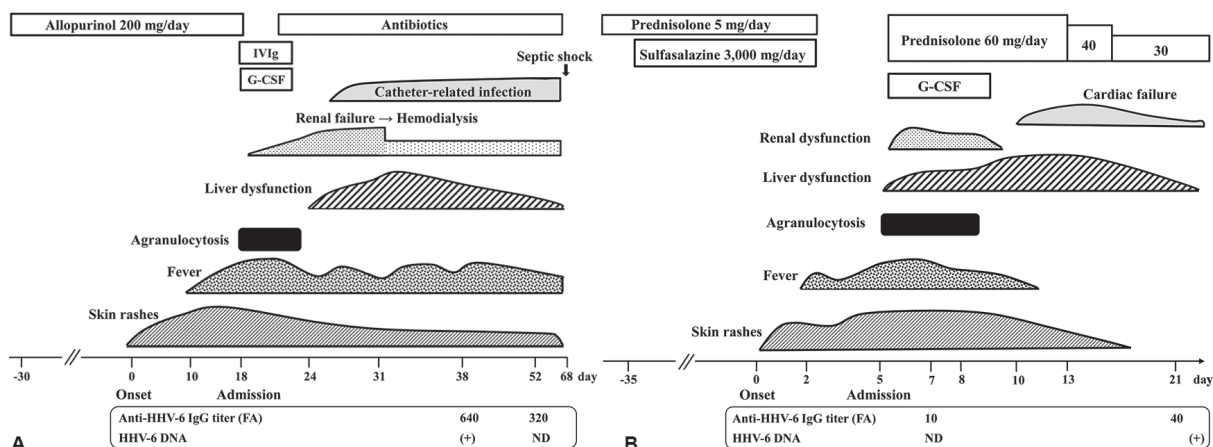


Fig. S2. Case 1. (A) Clinical course: after the development of skin rashes and fever, agranulocytosis occurred accompanied with visceral involvements. Deterioration of renal function required haemodialysis. Catheter-related infection resulted in septic shock. Case 2. (B) Clinical course: after the appearance of skin rashes and fever, agranulocytosis occurred in accordance with multi-organ involvements. FA: florescent antibody method; G-CSF: granulocyte-colony stimulating factor; HHV: human herpesvirus; IVIg: intravenous immunoglobulin; ND: not determined; (+); detected.

Table S1. Characteristics of agranulocytosis detected in DIHS/DRESS

Patient/age, years/sex	Underlying disease	Causative drug	Duration, days <sup>a</sup>	Interval, days <sup>b</sup> /days <sup>c</sup>	Leucocyte/neutrophil ( $\times 10^9/l$ )	Other organ involvements	Treatment	Published and our cases (Ref.)
1/35/F	Acne	Minocycline	21	2/2	ND/0.3	Liver dysfunction	Corticosteroid → supportive care	Kaufmann et al. (8)
2/5/M	Seizure	Phenytoin	12	10/8	ND/0	Liver dysfunction	Corticosteroid → G-CSF & IVIg	Ito et al. (9)
3/25/M	Ulcerative colitis	Sulfasalazine	56	ND/9	0.1/ND	Liver dysfunction	G-CSF & corticosteroid	Fathallah et al. (10)
4/68/M	Hyperuricaemia	Allopurinol	30	18/0	0.3/0.03	Liver dysfunction, renal dysfunction	G-CSF & IVIg	Patient 1
5/82/F	Rheumatoid arthritis	Sulfasalazine	35	5/3	0.9/0.02	Liver dysfunction, renal dysfunction	G-CSF & corticosteroid	Patient 2

<sup>a</sup>Time between first intake of drug and onset of skin rashes or fever. <sup>b</sup>Interval between onset of skin rashes or fever and detection of agranulocytosis. <sup>c</sup>Interval between drug withdrawal and detection of agranulocytosis. DIHS/DRESS: drug-induced hypersensitivity syndrome/drug reaction with eosinophilia and systemic symptoms; G-CSF: granulocyte-colony stimulating factor; IVIg: intravenous immunoglobulin; ND: not described.