



Figure S1 Flowchart of the medical events and disease progression of case 1. a. The treatment regimen comprised nab-paclitaxel (260 mg/m² IV day 1), doxorubicin (50 mg/m² IV day 1), and cyclophosphamide (500 mg/m² IV day 1), cycled every 21 days.

Table S1 Detection and treatment of blood routine value in case 1

Treatment course	Time of starting to take dalpiciclib (month/day/year)	Date of routine blood tests	White blood cell count ($\times 10^9/L$)	Grade	Neutrophil count ($\times 10^9/L$)	Grade	Treatment	Platelet count ($\times 10^9/L$)	Grade	Treatment
1	03/01/2022	03/12/2022 (C01D12)	2.70	2	1.90	1	No treatment	104	Normal	No treatment
1	03/01/2022	03/13/2022 (C01D13)	4.40	Normal	2.30	Normal	No treatment	82	1	Chinese herbal medicine
1	03/01/2022	03/21/2022 (C01D21)	4.10	Normal	2.10	Normal	No treatment	111	Normal	No treatment
1	03/01/2022	03/28/2022 (C01D28)	2.35	2	1.68	1	Chinese herbal medicine	182	Normal	No treatment
1	03/29/2022	04/02/2022 (C02D05)	4.98	Normal	2.43	Normal	No treatment	230	Normal	No treatment
2	03/29/2022	04/04/2022 (C02D07)	3.03	1	1.91	1	No treatment	231	Normal	No treatment
2	03/29/2022	04/11/2022 (C02D14)	2.43	2	1.20	2	Chinese herbal medicine	173	Normal	No treatment
2	03/29/2022	04/13/2022 (C02D16)	2.41	2	1.12	2	Chinese herbal medicine	120	Normal	No treatment
2	03/29/2022	04/17/2022 (C02D20)	2.20	2	1.30	2	Chinese herbal medicine	169	Normal	No treatment
3	04/26/2022	05/04/2022 (C03D09)	3.50	1	1.40	2	No treatment	182	Normal	No treatment
3	04/26/2022	05/17/2022 (C03D22)	2.70	2	1.01	2	G-CSF 300 μ g	145	Normal	No treatment
4	05/24/2022	05/26/2022 (C04D03)	3.60	1	1.95	1	No treatment	331	Normal	No treatment
4	05/24/2022	06/14/2022 (C04D21)	2.40	2	1.58	1	Chinese herbal medicine	241	Normal	No treatment
5	06/21/2022	07/10/2022 (C05D19)	2.65	2	1.50	1	Chinese herbal medicine	167	Normal	No treatment
6	07/19/2022	07/26/2022 (C06D07)	1.85	3	0.92	3	G-CSF 300 μ g	69	2	Chinese herbal medicine
7	08/16/2022	08/26/2022 (C07D10)	2.70	2	1.79	1	Chinese herbal medicine	192	Normal	No treatment
7	08/16/2022	09/09/2022 (C07D24)	4.50	Normal	2.10	Normal	No treatment	182	Normal	No treatment
8	09/13/2022	09/25/2022 (C08D12)	2.01	2	1.10	2	G-CSF 300 μ g	240	Normal	No treatment
8	09/13/2022	10/07/2022 (C08D24)	2.35	2	1.68	1	Chinese herbal medicine	182	Normal	No treatment
9	10/11/2022	10/21/2022 (C09D10)	2.40	2	1.16	2	Chinese herbal medicine	132	Normal	No treatment
10	11/08/2022	11/15/2022 (C10D07)	2.80	2	1.90	1	Chinese herbal medicine	250	Normal	No treatment

G-CSF, granulocyte-colony stimulating factor, C, Treatment course, D, day.

Table S2 Detection and treatment of blood routine value in case 2

Treatment course	Date of starting to take dalpiciclib (month/day/year)	Date of routine blood tests (month/day/year)	White blood cell count ($\times 10^9/L$)	Grade	Neutrophil count ($\times 10^9/L$)	Grade	Treatment	Platelet count ($\times 10^9/L$)	Grade	Treatment
1	02/15/2022	03/03/2022 (C01D16)	1.82	3	0.57	3	G-CSF 300 μ g	130	Normal	No treatment
1	02/15/2022	03/14/2022 (C01D27)	3.64	1	1.79	1	No treatment	222	Normal	No treatment
2	03/15/2022	03/31/2022 (C02D16)	2.19	2	0.85	3	G-CSF 300 μ g	197	Normal	No treatment
2	03/15/2022	04/11/2022 (C02D27)	2.43	2	1.07	2	Chinese herbal medicine	167	Normal	No treatment
3	04/12/2022	04/26/2022 (C03D14)	2.41	2	1.12	2	G-CSF 300 μ g	232	Normal	No treatment
3	04/12/2022	05/09/2022 (C03D27)	2.83	2	1.59	1	No treatment	209	Normal	No treatment
4	05/10/2022	05/26/2022 (C04D16)	2.25	2	0.94	3	G-CSF 300 μ g	227	Normal	No treatment
4	05/10/2022	06/06/2022 (C04D27)	2.35	2	1.01	2	Chinese herbal medicine	187	Normal	No treatment
5	06/07/2022	06/25/2022 (C05D18)	2.24	3	0.95	2	G-CSF 300 μ g	200	Normal	No treatment
5	06/07/2022	07/04/2022 (C05D27)	2.87	2	1.58	1	Chinese herbal medicine	220	Normal	No treatment
6	07/05/2022	07/07/2022 (C06D03)	2.65	2	1.20	2	Chinese herbal medicine	186	Normal	No treatment
6	07/05/2022	07/22/2022 (C06D17)	1.85	3	0.92	3	G-CSF 300 μ g	213	Normal	No treatment
7	08/02/2022	08/19/2022 (C07D17)	2.54	2	1.11	2	Chinese herbal medicine	184	Normal	No treatment
8	08/30/2022	09/09/2022 (C08D10)	2.01	2	1.10	2	Chinese herbal medicine	202	Normal	No treatment
9	09/27/2022	10/11/2022 (C09D14)	2.88	2	1.59	1	Chinese herbal medicine	224	Normal	No treatment
10	10/25/2022	11/08/2022 (C10D14)	2.78	2	1.22	2	Chinese herbal medicine	218	Normal	No treatment
10	10/25/2022	11/21/2022 (C10D27)	2.63	2	1.15	2	Chinese herbal medicine	228	Normal	No treatment

G-CSF, granulocyte-colony stimulating factor, C, Treatment course, D, day.