

Supplementary table 1. Basic information of patients with rheumatoid arthritis.

Number	Gender	Age	Diagnostic time	RA classification level
1	Male	47	2018/4/12	6
2	Female	44	2019/2/10	7
3	Male	51	2018/3/15	6
4	Male	46	2017/12/12	7
5	Male	40	2017/12/27	8
6	Female	52	2018/5/2	6
7	Male	55	2018/4/26	6
8	Male	46	2018/7/7	6
9	Male	43	2018/6/25	7
10	Female	50	2018/7/4	6
11	Male	52	2018/4/17	7
12	Male	51	2018/6/13	7
13	Female	43	2017/11/13	9
14	Male	48	2017/12/4	6
15	Female	49	2017/12/25	6
16	Male	40	2018/2/23	7
17	Male	42	2017/9/28	8
18	Male	42	2019/1/11	6
19	Male	51	2017/6/25	6
20	Female	54	2018/3/23	6
21	Female	49	2018/3/14	6
22	Male	44	2018/1/16	6
23	Male	45	2019/1/12	7
24	Male	41	2019/2/13	7

Note: Number of joints involved (0 ~ 5); Serological antibody test (0 ~ 3); Synovitis duration (0 ~ 1); Acute reactant (0 ~ 1). If the sum of these four aspects exceeds 6 points, the subject is diagnosed as RA patients. The involved joints include middle and large joints and small joints; the detection of serum antibody includes two indexes of rheumatoid factor (RF) and anti cyclic citrullinated peptide antibody (anti CCP); the duration of synovitis is divided by six weeks; the acute reactants include two indexes of C-reactive protein (CRP) and erythrocyte sedimentation rate (ESR).