

**Table 3** Characteristics of included studies.

First Author (Year)	Intervention /dose	Control	Follow-up period/ sample size (intervention /control)	Main outcome measures used type of dimensions	Measurement tools
Barton et al. (2010)	American ginseng 2,000mg/day	Placebo	8 wk (48/39)	Usual fatigue	Brief Fatigue Inventory (BFI)
Barton et al. (2013)	American ginseng 2,000mg/day	Placebo	4 wk (147/153) and 8 wk(138/133)	General subscale of the (MFSI-SF)	Multidimensional Fatigue Symptom Inventory– Short Form (MFSI-SF)
Guglielmo et al. (2020)	American ginseng 1,000mg/day	Placebo	8 wk (16/16)	The mean value of BFI score	Brief Fatigue Inventory (BFI)
Kim et al. (2017)	Red ginseng 3,000 mg/day	Placebo	12 wk (15/15)	The severity of fatigue: Worst fatigue score	Brief Fatigue Inventory (BFI)
Shulong Jiang (2017)	Red ginseng extract 3,000mg/day	None	60 days (34/26)	Total score	Fatigue Symptom Inventory (FSI)
Kim et al. (2020)	Red ginseng 2,000mg/day	Placebo	8 wk (161/169) and 16 wk (161/169)	Fatigue subscale score	Functional Assessment of Chronic Illness Therapy-Fatigue (FACIT-F) Subscale
Yennurajalingam et al. (2017)	Panax ginseng extract 400 mg/day	Placebo	15 days (52/54) and 29 days (56/56)	Fatigue subscale score	Functional Assessment of Chronic Illness Therapy-Fatigue (FACIT-F) Subscale
Shengsong Yin (2014)	Kangai injection (Panax ginseng) 40ml/day	None	3 wk (20/20)	Total score	Brief Fatigue Inventory (BFI)
Fang Shi (2017)	Kangai injection (Panax ginseng) 40ml/day	None	6 wk (45/45)	Total score	Piper Fatigue Scale (PFS)
Danni Shan (2020)	Kangai injection (Panax ginseng) 40-60ml/day	None	2 wk (45/45)	Total score	Piper Fatigue Scale (PFS)
Hongchen Li (2011)	Shenfu injection	None	12 wk (62/58)	Physical fatigue score	Piper Fatigue Scale (PFS)

	(Red ginseng) 30ml/60ml/day				
Yibing Feng (2014)	Shenfu injection (Red ginseng) 60 mg /day combined with Dexamethasone	Dexamethasone	12 wk (31/32)	Physical fatigue score	Piper Fatigue Scale (PFS)
Jing Wu (2014)	Shenmai injection (Red ginseng) 50-100ml/day	None	4 wk (47/47)	Behavior fatigue score	Piper Fatigue Scale (PFS)
Xiaomu Tang (2016)	Shenmai injection (Red ginseng) 50ml/day	None	9 wk (43/43)	Behavior fatigue score	Piper Fatigue Scale (PFS)
Yinshui Zou (2014)	Shenqi fuzheng injection (Codonopsis pilosula) 250ml/day	None	3 wk (35/35)	Total score	Brief Fatigue Inventory (BFI)
Qi Zhang (2016)	Shenqi fuzheng injection (Codonopsis pilosula) 250ml/day	None	4 wk (26/26)	Behavior fatigue score	Piper Fatigue Scale (PFS)
Zhiyong Liu (2016)	Shenqi fuzheng injection (Codonopsis pilosula) 250ml/day	megestrol acetate	3wk (30/30)	Total score	Piper Fatigue Scale (PFS)
Jia Li (2018)	Shenqi fuzheng injection (Codonopsis pilosula) 250ml/day	Letrozole	16wk (20/20)	Total score	Brief Fatigue Inventory (BFI)
Qingying Wang (2018)	Shenqi fuzheng injection (Codonopsis pilosula) 250ml/day	None	6wk (20/20)	Behavior fatigue score	Piper Fatigue Scale (PFS)
Cong Chen (2019)	Shenqi fuzheng injection (Codonopsis pilosula) 250ml/day	None	8 wk (33/33)	Physical fatigue score	Cancer Fatigue Scale (CFS)
Jianbing Luo (2019)	Shenqi fuzheng injection (Codonopsis pilosula) 250ml/day	None	2 wk (107/86)	Total score	Piper Fatigue Scale (PFS)
Xiao Li (2020)	Shenqi fuzheng injection (Codonopsis pilosula) 250ml/day	None	2 wk (31/29)	Physical fatigue score	Piper Fatigue Scale (PFS)