

Table S1. Diagnostic criteria of KYDS in TCM

	Symptomes
Presenting symptoms	a. soreness and weakness of waist and knees b. chilly, cold limbs, and lacking in strength c. hypaphrodisia
Minor symptoms	a. pale or dull complexion b. urine frequency or urgency or difficulty, or excessive at night c. loose stool or dawn diarrhea d. male impotentia, prostermia, or sterility. Female dysgenesis, leucorrhea increases, or amenia e. with lightly purple tongue and smooth fur d. with deep thready pulse, especially in the part of chi
Criterion of differentiation of KYDS	satisfied with two of the presenting symptoms(the <i>a</i> is necessary), or content with the <i>a</i> of the presenting symptom and two or more of the minor symptoms.

Table S2. Inclusion and exclusion criteria

Inclusion criteria	a. satisfied with the diagnostic criteria of CHB
	b. aged between 18-45 years old
	c. provided written informed consent for participation
Exclusion criteria	a. patients diagnosed with liver cirrhosis, or cancer, or hepatic failure
	b. complicated with Drug-Induced Liver Injury, autoimmune liver disease, alcohol liver disease
	c. patients with mental illness or inability to cooperate

Table S3. Inclusion and exclusion criteria of meta-analysis

Inclusion criteria	a. an independent case control study
	b. relevant genotype frequencies, or odds ratio(OR) and 95% confidence interval(CI) should be reported
	c. a full text study so that detail information could be acquired
Exclusion criteria	a. the control group was not healthy
	b. duplicate publication
	c. China wasn't the study region
	d. materials and methods were not well-described and reliable

Table S4. Hardy-Weinberg Equilibrium of *HLA-DQB1*, *HLA-DRB1*

Locus	KYDS				NKYDS				HC			
	N ^a	H _{obs} ^b	H _{exp} ^c	P ^d	N ^a	H _{obs} ^b	H _{exp} ^c	P ^d	N ^a	H _{obs} ^b	H _{exp} ^c	P ^d
<i>HLA-DQB1</i>	28	0.8571	0.8578	0.54	46	0.8478	0.8629	0.95	31	0.9355	0.8509	0.83
<i>HLA-DRB1</i>	28	0.8929	0.8961	0.44	46	0.8696	0.8884	0.88	31	0.9355	0.9344	0.49

N^a, Sample number; H_{obs}^b, Observed heterozygosity; H_{exp}^c, Expected heterozygosity; P^d, *P* value