ID	Age	Diagnosis Type (severity)	SOX30 intensity	% SOX30 positive	SOX30 expression	Diagnostic results	Testicular volume(mL)	FSH (mIU/mL)	LH (IU/mL)	Total testosterone (ng/dL)	Family history for male sterility	Varicocele	Y-chromosome microdeletion	Karyotype	CFTR mutation	Smoking	Drinking	Diabetes	Obesity	Body Mass Index(BMI,kg/m2)	History for cancer disease	History for autoimmune diseases	Metabolic syndrome	Semen volume (ml)	Glucosinase U/L	Fructosenmol /L	pH value	Liquefaction time (min)	
1332329	28	NOA (I)	3	80%	7	Bilateral testicular biopsy specimens: All types of spermatogenic cells were slightly reduced. Many sperm cells were seen but no sperms were found.	10.27	20.34	4.67	294.14	NO	NO	Negative	46,XY	/	Yes	Yes	NO	NO	21.78	None	None	None	2.4	53.4	44.5	7.3	10	
1332877	26	NOA (I)	2	70%	5	Bilateral testicular biopsy specimen: All types of spermatogenic cells were reduced. Sperm cells were seen but no sperms were found.	9.24	19.63	2.93	558.13	NO	Left side varicocele	/	/	/	No	No	NO	NO	22.56	None	None	None	1.8	37.2	23.4	7.6	20	
1401917	26	NOA (I)	3	90%	7	Bilateral testicular biopsy specimens: All types of spermatogenic cells were slightly reduced. A few sperm cells were seen but no sperms were found。	10.88	18.54	3.49	297.36	NO	NO	Negative	46,XY	/	Yes	No	NO	NO	23.12	None	None	None	2.1	27.8	30.6	7.2	10	
1402262	34	NOA (I)	3	85%	7	Bilateral testicular biopsy specimens: All types of spermatogenic cells were slightly reduced. Sperm cells were seen but no sperms were found。	10.71	21.02	4.42	533.23	NO	NO	Negative	46,XY	/	No	Yes	NO	NO	19.56	None	None	None	1.7	36.5	22.2	7.1	30	
1403556	26	NOA (II)	2	45%	4	Bilateral testicular biopsy specimens: All types of spermatogenic cells were significantly reduced. No sperm cells and sperms were found;There was hyperplasia of Leydig cells.	8.97	22.34	10.27	239.68	NO	NO	Negative	46,XY	/	Yes	Yes	NO	NO	20.74	None	None	None	2.8	26.5	45.6	7.7	10	
1403635	24	NOA (II)	2	40%	4	Left testicular biopsy specimens: All types of spermatogenic cells were significantly reduced. No sperm cells and sperms were found Right testicular biopsy specimens: The tissue was only the fiber and vascular tissue.	9.13	22.76	14.16	322.44	NO	NO	/	/	/	No	No	NO	YES	30.58	None	None	None	3.1	29.7	66.3	7.4	20	
1406556	23	NOA (I)	3	80%	7	Bilateral testicular biopsy specimens: All types of spermatogenic cells were slightly reduced. Sperm cells were seen, but no sperms were found。	11.05	21.37	7.66	402.11	NO	NO	Negative	46,XY	/	Yes	Yes	NO	NO	24.13	None	None	None	4.4	29.3	39.1	7.4	10	
1406665	31	NOA (II)	1	50%	3	Bilateral testicular biopsy specimens: All types of spermatogenic cells were significantly reduced. No sperm cells and sperms were found;There was slightly hyperplasia of Leydig cells.	8.32	23.21	8.28	528.38	NO	NO	Negative	46,XY	/	No	No	NO	NO	19.96	None	None	None	3	19.7				
1408978	29	NOA (I)	2	90%	6	Bilateral testicular biopsy specimens: All types of spermatogenic cells were slightly reduced. A few sperm cells were seen but no sperms were found.	9.32	22.01	12.01	427.03	NO	NO	/	/	/	Yes	Yes	NO	NO	20.07	None	None	None	2.2	12.5	54.4	7.2	10	
1412367	30	NOA (I)	3	100%	7	Bilateral testicular biopsy specimens: All types of spermatogenic cells were slightly reduced. Many sperm cells were seen, but no sperms were found.	11.27	12.78	4.65	339.41	NO	Left side varicocele	/	/	/	Yes	Yes	NO	NO	23.12	None	None	None	1.9	67.3	19.6	7.6	20	
1417938	21	NOA (II)	2	35%	4	Bilateral testicular biopsy specimens: All types of spermatogenic cells were significantly reduced. No sperm cells and sperms were found.	10.61	23.36	8.88	350.33	NO	NO	Negative	46,XY	/	Yes	No	NO	NO	24.36	None	None	None	3.5	24.5	34.4	7.3	20	
1425028	45	NOA (I)	2	70%	5	Bilateral testicular biopsy specimens: Several types of early spermatogenic cells were developed well. A few sperm cells were seen, but no sperms were found.	9.38	27.12		376.54	NO	NO	Negative	46,XY	/	No	Yes	NO	NO	25.46	None	None	None	4.1	27.7	32.1	7.1	20	
1425063	31	NOA (I)	3	75%	6	Bilateral testicular biopsy specimens: Several types of early spermatogenic cells were developed well. A few sperm cells were seen, but no sperms were found.	10.21	29.09	11.83	283.82	NO	NO	/	/	/	Yes	No	NO	NO	22.98	None	None	None	3.6	31.6	18.5	7.2	30	
1426657	27	NOA (II)	1	40%	3	Bilateral testicular biopsy specimens: All types of spermatogenic cells were reduced. No sperm cells and sperms were found.	10.07	32.53	14.88	162.42	NO	NO	Negative	46,XY	/	Yes	Yes	NO	NO	21.86	None	None	None	3.3	43.5	16.9	7.6	20	
1427316	31	NOA (II)	1	25%	2	Bilateral testicular biopsy specimens: All types of spermatogenic cells were significantly reduced. No sperm cells and sperms were found.	8.83	20.68	7.12	245.24	NO	NO	Negative	46,XY	/	Yes	No	NO	YES	31.05	None	None	None	2.8		20.6	7.8	10	
1431940	24	NOA (II)	1	25%	2	Bilateral testicular biopsy specimens: The testicular tubes atrophied. All types of spermatogenic cells were significantly reduced. No sperm cells and sperms were found.	8.92	23.43	8.08		NO	NO	Negative	46,XY	/	Yes	Yes	NO	NO	23.46	None	None	None		26.2			20	Perform global DNA methylation
1502082	25	NOA (III)	0	20%	0	Left testicular biopsy specimens: All types of spermatogenic cells were reduced. No spermatocytes,sperm cells and sperms were found; Multiplication of the Legdig cells. Right testicular biopsy specimens:All types of spermatogenic cells were reduced, No spermatocytes,sperm cells and sperms were found; Multiplication of the Legdig cells.	6.46	21.74	7.57	276.22	NO	NO	Negative	46,XY	/	Yes	Yes	NO	NO	21.76	None	None	None	4.2	34.3	35.8	7.3	10	Perform global DNA methylation
1503086	26	NOA (III)	1	25%	2	Bilateral testicular biopsy specimens: All types of spermatogenic cells were reduced. Few spermatocytes,no sperm cells and no sperms were found; Multiplication of the Legdig cells.	7.95	22.54	6.58	336.24	NO	NO	Negative	46,XY	/	Yes	Yes	NO	NO	20.85	None	None	None	3.4	29.8		7.5	20	Perform global DNA methylation
1504612	24	NOA (III)	0	0%	0	Bilateral testicular biopsy specimens: All types of spermatogenic cells were reduced. No spermatocytes,sperm cells and sperms were found; Multiplication of the Legdig cells.	6.36	19.23	7.18	323.21	NO	NO	Negative	46,XY	/	Yes	Yes	NO	NO	21.91	None	None	None	3.7	28.8	32.3	7.1	30	Perform global DNA methylation
1505982	26	NOA (II)	2	50%	4	Bilateral testicular biopsy specimens: All types of spermatogenic cells were reduced. No sperm cells and sperms were found.	10.35	20.01	6.56	396.44	NO	NO	Negative	46,XY	/		Yes	NO	NO	23.46	None	None	None					20	
1506792	32	NOA (III)	0	0	0	Left testicular biopsy specimens: All types of spermatogenic cells were strongly reduced. No spermatocytes,sperm cells and sperms were found; Multiplication of the Legdig cells. Right testicular biopsy specimens:All types of spermatogenic cells were strongly reduced , No spermatocytes,sperm cells and sperms were found; Multiplication of the Legdig cells.	6.24	25.26	7.28	262.43	NO	NO	Negative	46,XY	/	Yes	Yes	NO	NO	22.47	None	None	None	4.3	29.3	39.1	7.4	10	
1506812	31	NOA (III)	0	0	0	Left testicular biopsy specimens: All types of spermatogenic cells were strongly reduced. No spermatocytes,sperm cells and sperms were found; Multiplication of the Legdig cells. Right testicular biopsy specimens:All types of spermatogenic cells were strongly reduced , No spermatocytes,sperm cells and sperms were found; Multiplication of the Legdig cells	5.76	32.55	12.13	631.56	NO	NO	Negative	46,XY	/	No	Yes	NO	NO	23.85	None	None	None	2.7	66.9	96.7	7.3	10	
1509123	35	NOA (I)	2	80%	6	Bilateral testicular biopsy specimens:All types of spermatogenic cells were slightly reduced. Sperm cells were seen,and no sperms were found.	12.02	19.46	6.19	275.26	NO	NO	Negative	46,XY	/	No	Yes	NO	NO	19.98	None	None	None	4.4	81.5	67.7	7	20	
1509661	28	NOA (I)	2	70%	5	Bilateral testicular biopsy specimens:All types of spermatogenic cells were slightly reduced. Sperm cells were seen,and no sperms were found.	11.06	12.34	7.44	304.32	NO	NO	Negative	46,XY	/	No	No	NO	NO	22.12	None	None	None		37.2		7.4	30	
1509934	27	NOA (II)	1	20%	2	Bilateral testicular biopsy specimens: All types of spermatogenic cells were moderately reduced. No sperm cells and sperms were found.	8.87	27.12	8.06	360.05	NO	NO	Negative	46,XY	/	Yes	Yes	NO	NO	23.06	None	None	None	4.2	39.4	20.6	7.3	20	Perform global DNA methylation
1511598	20	NOA (I)	3	70%	6	Bilateral testicular biopsy specimens:All types of spermatogenic cells were slightly reduced. Sperm cells were seen,but no sperms were found.	10.56	17.23	5.89	512.26	NO	NO	/	/	/	No	Yes	NO	YES	30.98	None	None	None	4.6	71.9	15.7	7.2	10	
1511771	31	NOA (I)	3	60%	6	Bilateral testicular biopsy specimens:All types of spermatogenic cells were moderately reduced. Sperm cells were seen,but no sperms were found.	11.03	20.12	6.75	312.22	NO	NO	Negative	46,XY	/	Yes	No	NO	NO	21.07	None	None	None	1.8	28.5	18.2	7.1	10	
1513726	30	NOA (II)	2	50%	4	Bilateral testicular biopsy specimens: All types of spermatogenic cells were slightly reduced. No sperm cells and sperms were found. Slight multiplication of the Legdig cells	10.16	30.24	12.34	601.68	NO	NO	Negative	46,XY	/	No	Yes	NO	NO	23.15	None	None	None	2.2	38.3	27.3	7.6	20	
1513874	31	NOA (II)	1	30%	3	Right testicular biopsy specimens: All types of spermatogenic cells were slightly reduced. No sperm cells and sperms were found.	9.04	28.31	14.06	550.13	NO	NO	Negative	46,XY	/	Yes	No	NO	NO	19.9	None	None	None	2.4	26.7	34.4	7.4	20	
1515079	27	NOA (II)	1	70%	4	Bilateral testicular biopsy specimens: All types of spermatogenic cells were slightly reduced. No sperm cells and sperms were found. Slight multiplication of the Legdig cells.	10.51	21.04	8.43	436.77	NO	NO	Negative	46,XY	/	No	Yes	NO	YES	31.28	None	None	None	2.7	29.4	46.3	7.7	20	
1515170	28	NOA (I)	3	80%	7	Right testicular biopsy specimens:All types of spermatogenic cells were reduced. Sperm cells were seen,but no sperms were found.	12.36	18.46	7.23	556	NO	NO	Negative	46,XY	/	Yes	Yes	NO	NO	22.13	None	None	None	2.5	30.1	83.8	7.8	30	
1518114	37	NOA (I)	2	90%	6	Right testicular biopsy specimens:All types of spermatogenic cells were reduced. Sperm cells were seen,but no sperms were found.	11.28	20.06	7.09	249.47	NO	NO	Negative	46,XY	/	No	No	NO	NO	23.42	None	None	None	1.6	67.8	72.1	7.1	20	
1518116	23	NOA (I)	3	65%	6	Bilateral testicular biopsy specimens:All types of spermatogenic cells were slightly reduced. Sperm cells were seen,but no sperms were found.	11.69	23.88	6.15	322.35	NO	NO	Negative	46,XY	/	Yes	Yes	NO	NO	24.37	None	None	None	3.2	79.8	67.6	7	20	
1520507	20	NOA (II)	1	45%	3	Bilateral testicular biopsy specimens: All types of spermatogenic cells were slightly reduced. No sperm cells and sperms were found.	9.03	25.08	6.71	566.62	NO	NO	Negative	46,XY	/	No	No	NO	NO	22.01	None	None	None	2.6	46.7	60.3	7.2	30	
1520672	28	NOA (II)	2	25%	3	Bilateral testicular biopsy specimens: All types of spermatogenic cells were reduced. No sperm cells and sperms were found. Slight multiplication of the Legdig cells.	9.99	20.49	7.42	471.22	NO	NO	Negative	46,XY	/	Yes	Yes	NO	NO	23.65	None	None	None	3.3	37.2	54.1	7.5	20	
1525462	31	NOA (II)	1	45%	3	Bilateral testicular biopsy specimens: All types of spermatogenic cells were significantly reduced. No sperm cells and sperms were found.	10.21	19.59	12.33	258.06	NO	NO	Negative	46,XY	/	No	No	NO	NO	21.97	None	None	None	3	32.3	50.6	7.5	30	
1527309	34	NOA (I)	2	70%	5	Bilateral testicular biopsy specimens:All types of spermatogenic cells were reduced. Sperm cells were seen,but no sperms were found.	9.46	12.38	8.03	367.47	NO	NO	Negative	46,XY	/	Yes	Yes	NO	NO	19.89	None	None	None	3.8	26.8	43.1	7.6	10	
1528580	29	NOA (I)	2	65%	5	Bilateral testicular biopsy specimens:All types of spermatogenic cells were reduced. Sperm cells were seen,but no sperms were found.Slight multiplication of the Legdig cells.	9.93	22.44	14.26	309.95	NO	NO	Negative	46,XY	/	Yes	Yes	NO	YES	31.96	None	None	None	3.5	24.6	36.7	7.3	20	
1529145	25	NOA (I)	2	85%	6	Bilateral testicular biopsy specimens:All types of spermatogenic cells were reduced. Sperm cells were seen,but no sperms were found.	11.97	23.19	13.87	260.56	NO	NO	Negative	46,XY	/	No	No	NO	NO	22.06	None	None	None	2.7	29.6	31.5	7.2	20	
1529491	29	NOA (II)	1	45%	3	Bilateral testicular biopsy specimens: All types of spermatogenic cells were reduced. No sperm cells and sperms were found. Slight multiplication of the Legdig cells.	9.28	18.96	8.47	247.83	NO	NO	Negative	46,XY	/	Yes	Yes	NO	NO	23.09	None	None	None	2.9	34.8	20.9	7	30	
1530549	24	NOA (I)	3	75%	6	Bilateral testicular biopsy specimens:All types of spermatogenic cells were slightly reduced. Sperm cells were seen,but no sperms were found.	9.69	18.05	7.58	601.37	NO	NO	Negative	46,XY	/	Yes	No	NO	NO	19.77	None	None	None	2.1	47.4	15.7	7.8	10	
1531285	28	NOA (I)	3	80%	7	Bilateral testicular biopsy specimens:All types of spermatogenic cells were slightly reduced. Sperm cells were seen,but no sperms were found.	11.05	19.47	9.44	512.26	NO	NO	/	/	/	Yes	Yes	NO	NO	18.26	None	None	None	1.9	90.2	18.2	7.4	10	
1533864	34	NOA (I)	2	80%	6	Bilateral testicular biopsy specimens:All types of spermatogenic cells were reduced. Sperm cells were seen,but no sperms were found.	10.08	20.11	6.93	433.42	NO	NO	Negative	46,XY	/	No	Yes	NO	NO	24.24	None	None	None	2	82.4	19.9	7.4	10	
1533896	28	NOA (I)	3	70%	6	Bilateral testicular biopsy specimens:All types of spermatogenic cells were moderately reduced. Sperm cells were seen,but no sperms were found.	9.78	20.82	7.88	362.29	NO	NO	Negative	46,XY	/	Yes	No	NO	NO	21.64	None	None	None	3.6	71.5	27.4	7.5	20	
1535751	36	NOA (II)	0	0	0	Bilateral testicular biopsy specimens: All types of spermatogenic cells were slightly reduced. No sperm cells and sperms were found. Multiplication of the Legdig cells.	8.37	22.09	9.03	282.23	NO	NO	Negative	46,XY	/	No	Yes	NO	NO	23.08	None	None	None	4.4	40.3	31.7	7.2	20	
1602954	22	NOA (II)	1	45%	3	Right testicular biopsy specimens: All types of spermatogenic cells were reduced. No sperm cells and sperms were found. Multiplication of the Legdig cells.	9.76	19.62	9.34	407.71	NO	NO	Negative	46,XY	/	No	No	NO	NO	20.92	None	None	None	4.2	32.7	18.56	7.4	20	
1603853	18	NOA (I)	3	65%	6	Left testicular biopsy specimens:All types of spermatogenic cells were reduced. Sperm cells were seen,but no sperms were found.	10.89	16.25	10.46	398.36	NO	NO	Negative	46,XY	/	Yes	Yes	NO	NO	22.79	None	None	None	4.3	23.8	90.4	7.5	30	
1604300	29	NOA (II)	1	50%	3	Right testicular biopsy specimens: All types of spermatogenic cells were reduced. No sperm cells and sperms were found. Multiplication of the Legdig cells.	9.65	19.96	12.3	245.38	NO	NO	Negative	46,XY	/	No	No			24.08	None	None	None	2.9	58.2	21.2	7.3	30	
1605186	29	NOA (I)	2	60%	5	Bilateral testicular biopsy specimens:All types of spermatogenic cells were reduced. Sperm cells were seen,but no sperms were found.	11.15	20.74	11.01	366.45	NO	NO	/	/	/	No	No	NO	NO	25.33	None	None	None	2.1	40.9	16.09	7.2	30	
1606793	29	NOA (II)	2	30%	4	Bilateral testicular biopsy specimens: All types of spermatogenic cells were reduced. No sperm cells and sperms were found. Slight multiplication of the Legdig cells.	10.01	25.31	10.23	403.35	NO	NO	Negative	46,XY	/	Yes	No	NO	NO	23.53	None	None	None	2.6	28.6	30.4	7.2	10	
1606828	23	NOA (I)	3	50%	5	Bilateral testicular biopsy specimens:All types of spermatogenic cells were reduced. Sperm cells can be seen,but no sperms were found.	10.93	20.03	8.64	277.86	NO	NO	Negative	46,XY	/	Yes	Yes	NO	NO	20.94	None	None	None	2.9	33.2	41.2	7.6	20	
1607355	37	NOA (I)	2	60%	5	Bilateral testicular biopsy specimens:All types of spermatogenic cells were slightly reduced. Sperm cells can be seen,but no sperms were found.	11.06	21.02	7.95	401.56	NO	NO	Negative	46,XY	/	No	No	NO	NO	23.07	None	None	None	3.1	25.5	18.6	7.7	10	
1607535	25	NOA (II)	2	35%	4	Bilateral testicular biopsy specimens: All types of spermatogenic cells were reduced. No sperm cells and sperms were found. Multiplication of the Legdig cells. IHC: CK(+)、Cal(+)、WT-1(+)、MC(-)、CK7(+)。	9.31	22.06	7.63	286.89	NO	NO	Negative	46,XY	/	Yes	Yes	NO	NO	22.26	None	None	None	3.4	50.8	16.5	7.3	10	
1609706	33	NOA (II)	1	15%	2	Bilateral testicular biopsy specimens: All types of spermatogenic cells were reduced. No sperm cells and sperms were found.	8.81	22.29	7.42	279.42	NO	NO	Negative	46,XY	/	No	No	NO	NO	24.02	None	None	None	1.8	30.7	17.2	7.4	20	
1610288	27	NOA (I)	2	45%	4	Bilateral testicular biopsy specimens:All types of spermatogenic cells were reduced. Sperm cells were seen,but no sperms were found.	10.74	19.46	6.84	421.72	NO	NO	Negative	46,XY	/	Yes	Yes	NO	NO	25.01	None	None	None	2.4	42.4	44.8	7.3	20	
1610348	32	NOA (I)	3	50%	5	Right testicular biopsy specimens:All types of spermatogenic cells were slightly reduced. Sperm cells can be seen,but no sperms were found.	11.03	18.88	6.43	295.37	NO	NO	/	/	/		No	NO	NO	22.42	None	None	None	1.7	52.1	59.3	7.3	20	
1610959	23	NOA (I)	2	50%	4	Bilateral testicular biopsy specimens:All types of spermatogenic cells were slightly reduced. Sperm cells were seen,but no sperms were found. Slight multiplication of the Legdig cells.	8.97	17.66	9.13	303.23	NO	NO	Negative	46,XY	/	Yes	Yes	NO	NO	23.08	None	None	None	3.6	40.6	27.8	7.2	20	
1622974	26	NOA (I)	2	50%	4	Bilateral testicular biopsy specimens:All types of spermatogenic cells were slightly reduced. Sperm cells can be seen,but no sperms were found.	10.44	20.22	8.11	627.34	NO	NO	Negative	46,XY	/	Yes	Yes	NO	NO	23.03	None	None	None	4.1	25.6	30.3	7.4	10	

1611411	22	OA	2	80%	6	Left testicular biopsy specimens:All types of spermatogenic cells were basically normal. Lots of sperm cells and sperms were found.	14.09	10.67	5.24	288.23	NO	NO	/	/	/	Yes	No	NO	NO	24.34	None	None	None	3.1	27.9	26.4	7.4	20	
1603480	30	OA	2	85%	5	Bilateral testicular biopsy specimens:All types of spermatogenic cells were basically normal. Lots of sperm cells and sperms were found.	13.37	3.27	2.4	367.42	NO	NO	/	/	/	Yes	Yes	NO	NO	22.07	None	None	None	2.3	63.8	37.3	7.3	20	
1529216	35	OA	3	90%	7	Bilateral testicular biopsy specimens:All types of spermatogenic cells were basically normal. Lots of sperm cells and sperms can be seen.	12.97	2.95	4.42	524，24	NO	NO	/	/	/	No	No	NO	NO	19.36	None	None	None	2.5	72.3	21.6	7.6	10	
1500609	24	OA	2	75%	5	Bilateral testicular biopsy specimens:All types of spermatogenic cells were normal. Lots of sperm cells and sperms were found.	15.03	10.23	6.12	322.57	NO	NO	/	/	Negative	Yes	Yes	NO	NO	18.49	None	None	None	3.4	32.3	30.8	7.5	20	Perform global DNA methylation
1332315	23	OA	3	85%	7	Bilateral testicular biopsy specimens:All types of spermatogenic cells were basically normal. Lots of sperm cells and sperms were found.	11.99	12.73	4.09	455.31	NO	both sides varicocele	/	/	/	No	No	NO	NO	23.57	None	None	None	1.9	45.5	16.3	7.4	20	
1504722	31	OA	3	65%	6	Bilateral testicular biopsy specimens:All types of spermatogenic cells were slightly reduced. Many sperm cells and sperms were found.	14.58	3.17	2.72	511.67	NO	NO	/	/	/	No	Yes	NO	NO	24.36	None	None	None	2.7	21.8	45.8	7.8	10	
1521733	33	OA	3	90%	7	Bilateral testicular biopsy specimens:All types of spermatogenic cells were normal. Lots of sperm cells and sperms were found.	15.12	7.26	5.61	291.31	NO	NO	/	/	/	Yes	No	NO	YES	31.05	None	None	None	2.1	28.9	17.9	7.5	10	
1523612	27	OA	3	70%	6	Bilateral testicular biopsy specimens:All types of spermatogenic cells were slightly reduced. Many sperm cells and sperms can be seen.	15.01	8.36	4.39	342.28	NO	NO	/	/	Negative	Yes	Yes	NO	NO	21.48	None	None	None	3.5	37.1	28.6	7.6	20	Perform global DNA methylation
1526146	27	OA	2	75%	5	Bilateral testicular biopsy specimens:All types of spermatogenic cells were basically normal. Sperm cells and sperms were found.	12.85	4.45	8.12	633.26	NO	both sides varicocele	/	/	/	Yes	No	NO	NO	22.65	None	None	None	4	23.6	76.5	7.2	30	
1528414	29	OA	3	80%	7	Bilateral testicular biopsy specimens:All types of spermatogenic cells were basically normal. Sperm cells and sperms can be found.	14.47	15.12	7.66	278.32	NO	NO	/	/	Negative	Yes	No	NO	NO	23.41	None	None	None	3.5	85.7	89.6	7.2	30	
1531492	22	OA	2	95%	6	Bilateral testicular biopsy specimens:All types of spermatogenic cells were slightly reduced. Many sperm cells and sperms were found.	14.03	11.38	6.14	703.13	NO	NO	/	/	/	No	Yes	NO	NO	19.99	None	None	None	1.8	20.9	101.3	7.3	20	
1538196	23	OA	3	80%	7	Bilateral testicular biopsy specimens:All types of spermatogenic cells were basically normal. Lots of sperm cells and sperms can be found.	15.12	9.27	6.02	301.22	NO	NO	/	/	/	Yes	Yes	NO	NO	25.06	None	None	None	2.9	40.1	32.8	7.4	20	Perform global DNA methylation
1601792	29	OA	2	90%	6	Bilateral testicular biopsy specimens:All types of spermatogenic cells were slightly reduced. Many sperm cells and sperms can be found.	14.56	7.36	4.32	359.53	NO	NO	/	/	Negative	Yes	Yes	NO	NO	24.44	None	None	None	4.1	39.2	40.7	7.7	20	Perform global DNA methylation
1611833	42	OA	3	90%	7	Bilateral testicular biopsy specimens:All types of spermatogenic cells were normal. Lots of sperm cells and sperms were found.	15.33	5.67	8.19	291.03	NO	NO	/	/	/	No	Yes	NO	NO	25.02	None	None	None	2.3	99.3	15.9			
1626441	22	OA	2	75%	5	Bilateral testicular biopsy specimens:All types of spermatogenic cells were normal. Lots of sperm cells and sperms were found.	13.16	6.88	6.27	297.46	NO	NO	/	/	/	Yes	Yes	NO	NO	22.07	None	None	None	3.3	41.5	19.2	7.6	20	Perform global DNA methylation