Supplemental figures

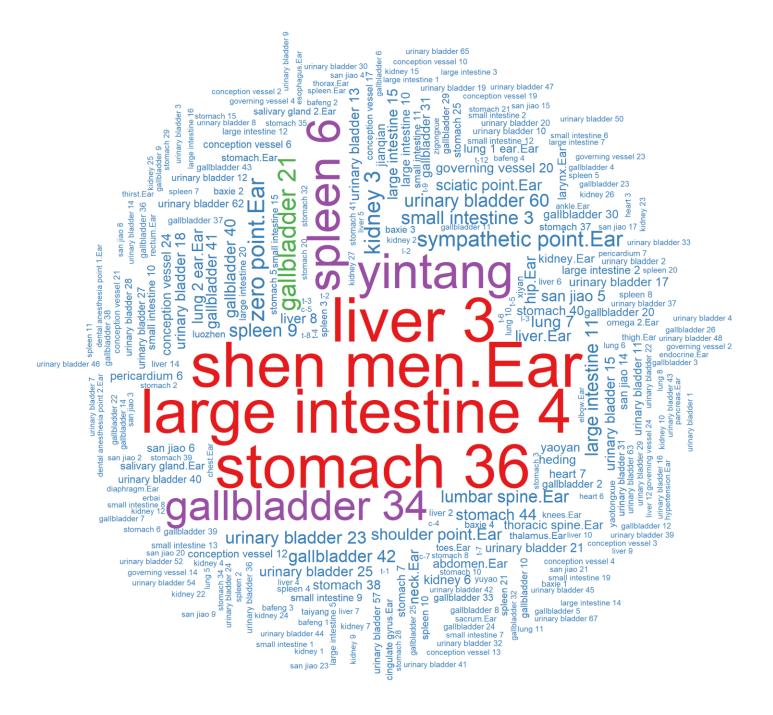


Figure S1. Word cloud of acupoint selection for pain

	Shen men.ear-	86.3	90.8	87.5	90.5	78.2	84.2	86.5	90.2	94.4	96.9	64.3		
	Liver 3-	84.8	86	87.2	95.9	77.8	81.5	76.9	90.2	72.2	100	53.6		
	Large intestine 4-		80.5	84.2	92.8	73.8	75.3	73.1	75.6	100	96.9	96.4		
	Stomach 36= Yintang=		79.9 58.5	87.9 63	94.6 83.3*	75.4 54	76.7 56.8	65.4 36.5*	78 65.9	86.1 80.6	96.9 96.9	17.9*** 14.3**		
	Spleen 6-		59.9	67.5	80.6**	45.6*	41.1*	25**	19.5**	94.4	90.6	14.3**		
	Gallbladder 34-		69.1**	42.6	63.5	42.9	47.3	63.5	82.9	25*	59.4	25		
	Gallbladder 21= Zero point.ear=		21.5 19.2	29.8 20.4	13.1*** 29.7	33.3 27.8	51.4*** 18.5	34.6 23.1	36.6 9.8	2.8** 25	31.2 28.1	82.1*** 28.6		
	Kidney 3=		19.2	30.9*		11.9***		36.5	61***	11.1	6.2	21.4		
S	Sympathetic point.ear=	21	19.2	26.4	21.2	20.2	24.7	11.5	9.8	0**	25	46.4*		
	Small intestine 3= Spleen 9=		27.5*** 9.5**	14 19.6	20.7 32.4***	7.5*** 15.5	0.7*** 23.3	25 9.6	46.3*** 22	22.2 2.8	6.2 9.4	0* 7.1		
	Urinary bladder 60=		16.6	12.1	18	15.1	13	25	34.1*	13.9	6.2	10.7		
	Large intestine 11=	16.3	16.6	14.7	27**	9.5*	3.4***	1.9**	4.9	25	28.1	25		
	Urinary bladder 23=		12.6 20.9**	8.7* 26.8***	9.5* 14.9	26.2*** 7.9*	22.6 0.7***	38.5*** 0**	22 2.4	13.9 8.3	0* 0*	75*** 0*		
	Gallbladder 42= Lumbar spine.ear=		18.1	20.0 6***	22.1**	9.5	8.2	17.3	36.6**	13.9	0*	21.4		
	Shoulder point.ear=	13.2	12.3	17	7.7*	15.1	28.8***	15.4	22	0*	25	14.3		
	Stomach 44=		12.6	6**	25.2***	6.7*	1.4***	5.8	2.4	13.9	3.1	0		
	= Lung 7 =Gallbladder 40		6.3** 17.5*	6.8* 12.1	22.5*** 18*	9.9 8.3	5.5* 9.6	5.8 13.5	12.2 26.8*	61.1*** 2.8	6.2 3.1	0		
	Liver.ear=		5.7**	15.5	8.6	11.1	18.5*	1.9*	7.3	0*	31.2*	17.9		
	Lung 2 .ear=		6.9*	19.6***	10.4	12.3	15.1	9.6	0*	0*	21.9	14.3		
	San jiao 5= = Gallbladder 41		5.2** 8.6	17.4* 12.8	3.2*** 7.2	9.9 6*	26.7*** 12.3	3.8 11.5	0* 9.8	0* 2.8	25 6.2	21.4 0	Perce	ntage
	Sciatic point.ear=		9.2	19.6***		18.7**	17.8*	23.1*	12.2	0*	0	3.6		100
Ę	Hip.ear=		12.3	7.2	12.2	8.7	16.4	13.5	4.9	13.9	40.6***			
.=	Urinary bladder 18= Large intestine 15=		11.2 10	7.2 12.5	5* 9	15.9* 6.3	18.5* 25.3***	23.1* 11.5	17.1 12.2	0* 2.8	0 28.1*	32.1** 17.9		
ğ	Urinary bladder 25=		8	5.7*	6.8	15.5*	14.4	25**	22*	16.7	0	42.9***		75
	Urinary bladder 15=	10	11.7	5.7*	5.4*	11.5	17.1*	15.4	9.8	0	0	85.7***		
Needle point	Liver 8=		8.6 10.9	10.2 6.8	14.4* 5.4	9.9 10.3	4.8 13	1.9 25**	7.3 17.1	11.1 0	28.1** 0	0 78.6***		50
p	Urinary bladder 13= Neck.ear=		8	12.8	0.9***	16.3**	4.8	23.1**	7.3	2.8	12.5	7.1		
e e	Governing vessel 20=	8.6	7.7	9.4	8.1	4.8*	4.8	7.7	17.1	0	25*	3.6		~-
ž	Conception vessel 24= Stomach 38=		5.7 9.2	1.1*** 9.8	24.8*** 10.8	5.2 3.2**	0*** 17.1**	3.8 7.7	0 22*	55.6*** 2.8	0 9.4	0		25
_	Kidney 6=	8	4.3*		20.7***	5.6	0***	3.8	2.4	61.1***	9.4	0		
	Stomach 40=	7.9	3.2**	8.3	14.4**	5.6	8.2	7.7	4.9	13.9	12.5	14.3		0
	Gallbladder 31=	7.7	10.9	7.9 19.2***	6.3	7.5 2***	2.1*	5.8 7.7	14.6	8.3	37.5***	7.1 0		
	Abdomen.ear= Urinary bladder 21=		6.9 5.2	6.8	5.4 2.7*	2 14.7***	9.6 13.7*	17.3*	2.4 7.3	0	0 0	21.4*		
	Thoracic spine.ear=	7.1	10.3	5.3	6.8	4.4	14.4**	1.9	9.8	0	0	0		
	Urinary bladder 17=		6.6 9.5	6.8 1.9***	1.8** 10.4	10.7 4.4	13.7**	19.2**	7.3 14.6	0	0 0	50*** 89.3***		
	Large intestine 10= Heding=		7.2	5.7	18.5***	10.7*	4.1 7.5	15.4 1.9	0	2.8 0	0	09.5		
	Jianqian=	6.8	2.9**	10.2	8.1	2.4**	15.1***	7.7	17.1*	2.8	21.9*	3.6		
	Yaoyan=	6.7 6.5	4 3.4*	1.9** 10.2*	3.6 5.4	12.7** 6	11.6* 12.3*	15.4 1.9	17.1* 4.9	8.3 0	0 15.6	50*** 10.7		
	Kidney.ear= Lung 1 .ear=		4.3	14.3***	2.7*	6	8.2	9.6	4.9	ő	3.1	0		
	Heart 7=	6.3	9.2	3.4	20.3***	2**	0***	0	12.2	0	3.1	3.6		
	Gallbladder 30=		3.2*	1.5***	8.6	15.5***	7.5 6.8	23.1***	14.6 9.8	16.7* 5.6	3.1 0	3.6 0		
	Pericardium 6= San jiao 14=	6.2 6	4.6 3.2*	5.7 10.2*	4.1 0.5***	5.2 7.1	18.5***	3.8 1.9	2.4	0	28.1***			
	Urinary bladder 11=	5.9	8.6	4.5	8.1	5.2	2.1	13.5	12.2	0	0	14.3		
	Larynx.ear= San jiao 6=	5.7 5.5	0.3*** 4.3	0*** 0.8***	12.6*** 12.2***	4 3.2	0*** 6.2	3.8 5.8	0 12.2	55.6*** 22.2**	0 6.2	0		
	Stomach 7=		4.5	0.8 0.8***	12.2	3.z 1.2**	0.2	0	0	44.4***	0.2	0		
	Gallbladder 20=	F 0	4	1.9*	2.7	9.5*	7.5	9.6	7.3	0	25**	3.6		
	Large intestine 2= Urinary bladder 62=	5.3 5	2** 8.9**	0*** 6.8	15.8*** 4.1	0.4*** 4.8	2.1 3.4	1.9 15.4**	0 14.6*	50*** 0	3.1 0	3.6 0		
	Small intestine 10=	5	7.2	3.8	4.1	3.6	6.2	5.8	4.9	0	0	14.3		
	Salivary gland.ear=		4.3	0***	18.5***	0***	0**	3.8	0	61.1***	0	0		
	Conception vessel 12=	5	0.3***	14.7***	0.5***	3.6	13***	0	0 I	2.8	0	0		
		Alla	odis plo	é.	oird g	6.0	25	0.0	à	61.1*** 2.8 01.5 01.5	6.	à		
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Conception vessel 12- 5 0.3 14.7 0.5 13 14.7 0.5 13 14.7 0.5 13 14.7 0 0 2.8 0 0 PAN Bloods, Tind Bloods, Tind Bloods, Tind Tanga Heats, Tind Tanga Gis, Bloods, Bloods, Bloods, Tind Tanga, Ois, Tind Tanga Gis, Bloods, Bloods, Dis, Bloods, Tind Tanga, Ois, Tind Tanga Gis, Bloods, Bloods, Ois, Bloods, Dama, Ois, Tind Tanga Gis, Bloods, Ois, Bloods, Ois, Bloods, Dama, Ois, Tind Tanga Gis, Bloods, Ois, Bloods, Ois, Bloods, Dama, Ois, Tind Tanga Gis, Bloods, Ois, Bloods, Ois, Bloods, Dama, Ois, Tind Tanga Gis, Bloods, Ois, Bloods, Ois, Bloods, Dama, Ois, Tind Tanga Gis, Bloods, Ois, Bloods, Ois, Bloods, Dama, Ois, Tind Tanga Gis, Bloods, Ois, Bloods, Ois, Bloods, Dama, Ois, Tind Tanga Gis, Bloods, Dama, Ois, Tind Tanga														
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TCM diagnosis combination

Figure S2. Heat map for acupoint selection and TCM diagnosis in pain

Abbreviations: Qi-d, Qi deficiency; Qi-s, Qi stagnation; Blood-s, Blood stagnation; Yin-d, Yin deficiency; Damp-a, Damp accumulation; Heat-a, Heat accumulation.

 $^{*}=p<0.05;\,^{**}=p<0.01;\,^{***}=p<0.001$



Figure S3. Word cloud of acupoint selection for hot flashes

	Stomach 36-	96.6	100	90.8	97.2	98.2	98.1	98.2	94.9	100	87.5	100		
	Liver 3-	95.1	98.8	100	97.2	96.4	100	96.4	87.2	100	75	100		
	Shen men.ear-	93.1	98.8	90.8	91.5	100	96.2	70.9	97.4	97.4	90	100		
	Large intestine 4-	92.8	88.1	93.4	95.8	98.2	94.3	98.2	100	97.4	72.5	75		
	Spleen 6-	92.4	88.1	98.7	93	100	92.5	96.4	76.9	100	100	96.4		
	Yintang-	87.7	98.8	86.8	84.5	89.1	83	80	82.1	94.9	95	100		
:	Sympathetic point.ear-	78	82.1	65.8	83.1	98.2	81.1	58.2	76.9	76.9	95	100		
	Gallbladder 41-	58.6	36.9*	42.1	77.5	56.4	54.7	60	74.4	43.6	62.5	75		
	San jiao 5-	56.2	40.5	21.1***	81.7*	60	67.9	81.8	66.7	30.8	30	67.9		
	Heart 7=	41.5	75***	52.6	22.5*	41.8	37.7	14.5**	23.1	64.1	80**	57.1		
	Large intestine 11-	41.2	36.9	56.6	56.3	21.8*	52.8	41.8	10.3**	33.3	25	35.7		
	Gallbladder 34=	31.8	72.6***	59.2**	7***	23.6	32.1	12.7*	23.1	15.4	22.5	14.3		
	Spleen 9=	31.5	57.1**	28.9	8.5***	20	24.5	7.3**	61.5*	12.8	42.5	71.4**	Perc	centage 100
int	Liver.ear=	27.6	23.8	17.1	40.8	45.5*	24.5	18.2	30.8	28.2	5**	28.6		
od	Kidney 3=	26.2	16.7	15.8	40.8	38.2	26.4	30.9	46.2	43.6	7.5*	17.9		- 75
Needle point	Lung 2 .ear=	22.3	26.2	10.5*	42.3**	34.5	11.3	27.3	33.3	15.4	2.5**	28.6		50
) ed	Liver 8=	20.1	36.9**	51.3***	2.8***	43.6**	5.7*	12.7	5.1*	0**	40*	0*		
ž	Zero point.ear=	17.7	7.1*	10.5	19.7	29.1	17	18.2	17.9	17.9	7.5	7.1		25
	Kidney.ear=	17.4	22.6	9.2	28.2	45.5***	7.5	9.1	28.2	5.1	2.5*	25		0
	Stomach 40-	15.4	29.8**	3.9*	11.3	12.7	18.9	9.1	25.6	15.4	5	3.6		
	Governing vessel 20=	13.5	36.9***	7.9	14.1	18.2	7.5	10.9	10.3	7.7	0*	10.7		
	Gallbladder 21=	13	3.6*	17.1	2.8*	1.8*	35.8***	18.2	7.7	0*	25	7.1		
	Gallbladder 40=	10.4	22.6**	22.4**	0**	5.5	3.8	1.8	2.6	43.6***	12.5	3.6		
	Gallbladder 42=		6	6.6	5.6	1.8	7.5	36.4***	2.6	59***	0*	0		
	Stomach 44=		13.1	10.5	0**	3.6	0*	10.9	0	53.8***	0	7.1		
	Small intestine 3=			22.4***		7.3	5.7	10.9	5.1	0	0	3.6		
	Spleen 3=		20.2***	0*	0*	0	1.9	9.1	0	56.4***	0	0		
	Heding=		8.3	15.8**	1.4	0	7.5	0	5.1	0	15	0		
	Lung 1 .ear=		2.4	6.6	2.8	5.5	5.7	10.9	5.1	5.1	0	7.1		
	Spleen 4=		1.2	0*	4.2	9.1	3.8	3.6	7.7	2.6	2.5	3.6		
	Large intestine 15=	5.1	11.9*	6.6	0	0	13.2*	7.3	5.1	0	15*	3.6		
	Large intestine 15- HOTFLAS ONS BIO	HED	oi.5 pl	od.s	d Ois P	hoods a	ind -	(ind alo	0 ^{0,5} 1	eatra	oi ^{is} pa	npa		
	OTFLA	,d.5 , D'	QI'S PI	OI.d'	, oils	100 ^{0.5}	100d.5	airs Bi	mp.a.i	(airs Po			
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TCM diagnosis combination

Figure S4. Heat map for acupoint selection and TCM diagnosis in hot flashes

Abbreviations: Qi-d, Qi deficiency; Qi-s, Qi stagnation; Blood-s, Blood stagnation; Yin-d, Yin deficiency; Damp-a, Damp accumulation; Heat-a, Heat accumulation.

 $^{\ast}=p<0.05;\ ^{\ast\ast}=p<0.01;\ ^{\ast\ast\ast}=p<0.001$

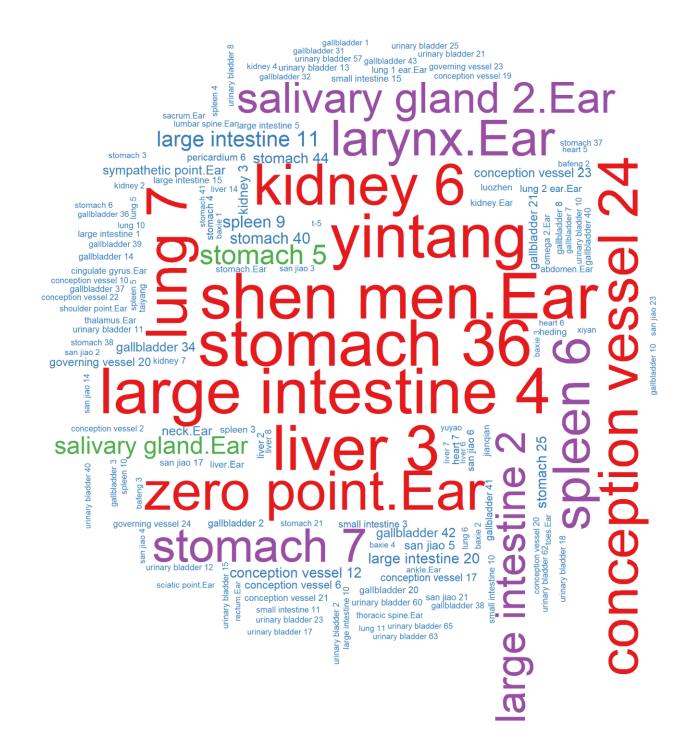


Figure S5. Word cloud of acupoint selection for xerostomia

Large intestine 4- 95.5 98.3 99.2 98.4 100 94.4 85.2 81.8 83.3 96.2 95.5												
Shen men.ear- 95.1 97.7 95.1 98.4 97.8 100 100 100 100 65.4 68.2												
Liver 3- 93.5 100 98.4 83.6 84.4 100 100 95.5 79.2 96.2 86.4												
Yintang= 90.8 93.6 94.3 98.4 95.6 80.6 81.5 81.8 87.5 53.8 86.4												
Kidney 6- 84.2 88.4 85.4 95.1 84.4 100 81.5 100 83.3 30.8* 95.5												
Lung 7- 83.2 89.5 84.6 90.2 84.4 100 88.9 95.5 83.3 38.5* 95.5												
Conception vessel 24- 81.4 86.6 82.1 90.2 82.2 77.8 85.2 90.9 83.3 26.9** 81.8												
Zero point.ear- 79.6 64 91.9 42.6** 97.8 97.2 88.9 100 79.2 50 95.5												
Spleen 6- 74.4 76.2 81.3 73.8 82.2 58.3 74.1 90.9 70.8 65.4 63.6												
Larynx.ear- 71.4 65.7 72.4 95.1 97.8 94.4 63 100 25* 15.4** 36.4												
Stomach 7- 66.1 80.8 71.5 80.3 48.9 50 63 45.5 79.2 15.4** 81.8												
Salivary gland 2.ear- 59.9 39** 91.1** 39.3 95.6* 91.7 88.9 90.9 4.2*** 23.1* 63.6												
Large intestine 2 57 68 41.5 85.2* 62.2 63.9 70.4 72.7 12.5** 11.5** 72.7	Percentage 100											
Stomach 5- 33 32.6 26 70.5*** 40 36.1 44.4 45.5 0** 0*** 36.4												
Stomach 5- 33 32.6 26 70.5*** 40 36.1 44.4 45.5 0** 0*** 36.4 Salivary gland.ear 27.8 50.6** 0.8** 59*** 0*** 8.3* 0** 9.1 79.2*** 11.5 4.5* Large intestine 11* 23 9.3*** 19.5 31.1 15.6 16.7 3.7* 63.6** 0** 38.5 54.5** Spleen 9 15.2 7* 37.4** 0*** 0.8** 2.8* 37** 4.5* 0 33.1 13.6* Stomach 40* 13 13.4 10.6 24.6* 2.2 8.3 18.5 4.5* 10.5 10.5*	75											
U Large intestine 11 - 23 9.3*** 19.5 31.1 15.6 16.7 3.7* 63.6** 0* 38.5 54.5*	50											
Spleen 9- 15.2 7* 37.4*** 0*** 0** 2.8 37* 4.5 0 23.1 13.6												
Stomach 40- 13 13.4 10.6 24.6* 2.2 8.3 18.5 4.5 16.7 19.2 0	25											
Stomach 44- 11.3 12.2 2.4** 11.5 24.4* 13.9 11.1 0 12.5 7.7 13.6	0											
Large intestine 20 11.3 13.4 5.7 16.4 4.4 2.8 37** 9.1 0 0 22.7	U											
Conception vessel 12- 10.4 5.8 26*** 1.6* 22.2 0 0 0 0 26.9* 0												
Stomach 25- 9.9 5.8 26*** 3.3 22.2* 0 0 0 15.4 0												
Kidney 3= 8.7 8.7 2.4* 4.9 11.1 8.3 11.1 0 12.5 34.6** 4.5												
Gallbladder 34- 8.2 8.1 8.9 4.9 0 0 3.7 0 54.2*** 26.9* 0												
Conception vessel 23 8.2 3.5* 3.3 11.5 15.6 11.1 7.4 9.1 0 0 13.6												
Gallbladder 42- 8.1 9.9 3.3 0* 0 13.9 3.7 0 66.7*** 0 0												
Neck.ear 7.7 0*** 15.4* 0* 22.2** 11.1 29.6** 59.1*** 0 7.7 0												
Sympathetic point.ear 7.5 8.1 4.9 6.6 0 2.8 18.5 4.5 0 38.5*** 27.3*												
San jiao 5- 6.9 4.1 11.4 3.3 0 8.3 7.4 9.1 0 19.2 4.5												
Gallbladder 21 - 6.6 5.2 10.6 0* 2.2 0 3.7 18.2 12.5 46.2*** 0												
Governing vessel 20• 6.2 7 4.1 1.6 15.6* 0 14.8 0 4.2 11.5 0												
Conception vessel 6 5.3 3.5 7.3 1.6 17.8** 0 0 0 0 19.2* 0												
Conception vessel 6 53 35 7.3 1.6 17.8 0 0 0 0 19.2 0 19.2 0 19.2 0 19.2 0 19.0 0 19.2 0 19.0 0 19.2 0 19.0 0 19.0 0 19.0 0 19.0 0 19.0 0 19.0 0												
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TCM diagnosis combination

Figure S6. Heat map of acupoint selection and TCM diagnosis in Xerostomia

Abbreviations: Qi-d, Qi deficiency; Qi-s, Qi stagnation; Blood-s, Blood stagnation; Yin-d, Yin deficiency; Damp-a, Damp accumulation; Heat-a, Heat accumulation.

* = p < 0.05; ** = p < 0.01; *** = p < 0.001