

# TMD and Bruxism prevalence among patients attending the students' dental clinics in TAU

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#### **OBJECTIVES**

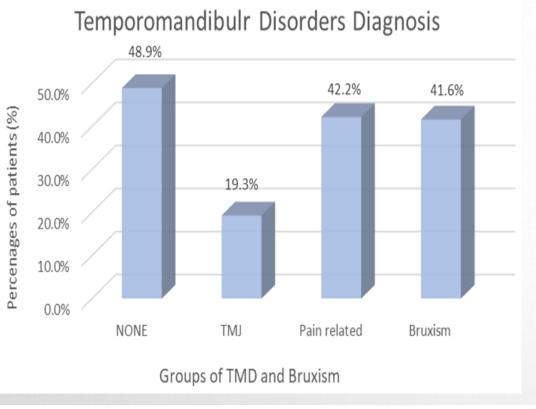
- ASSESS PREVALENCE OF TEMPOROMANDIBULAR DISORDERS (TMD)
- FIND THE PREVALENCE OF PROBABLE SB, AWAKE BRUXISM (AB), AND PARAFUNCTIONS.
- TO CHECK THE PREVALENCE OF EROSION AND ABFRACTION
- MEASURE THE RANGE OF MOVEMENTS

### **METHOD**

- A RETROSPECTIVE STUDY.
- 311 PATIENTS BETWEEN 2018-202
- SYMPTOM QUESTIONNAIRE
- DC/TMD AXIS I DENTAL AND TMD
   CLINICAL EXAMINATION

	DC/TM	D Examination	on Form			Date filled out (mm-dd-yyyy)					
Patient		Examir	ner								
1a. Location of Pai	n: Last 30 days (5	elect all that app	ily)			-2/54					
	RIGH	IT PAIN				LEF	PAIN				
O None O		Other m muscles	O Non-	mast	O None C	C 7770	Other m mu	scles On	ion-mast		
		TMI	struct				TMI		tructures		
				ares.		masseur C			in decidines		
b. Location of Hea		ays (Select all the Other	at apply)		O None O	Temporal O	Other				
. Incisal Relation			O EDI #11	O FDI #21 (			2000-00-				
	1		Vertical				fline Righ	t Left N/A			
Horizontal Incisal Overjet	O If negative	mm		verlap O I	negative		viation O	0 0			
. Opening Patter	n (Supplemental	; Select all that a O Stra		O Correct	ed deviation	Uncorrected Deviation O Right O Left					
	W0.000.00	0 300	977	O contect	CO OCTIONO		p.1.	, can			
<ul> <li>Opening Move</li> <li>A. Pain Free Ope</li> </ul>											
			RIGHT	SIDE		LEFT SIDE					
	mm		Pain	Familiar	Familiar		Pain	Familiar	Familia		
				Pain	Headache			Pain	Headac		
B. Maximum Un	assisted Opening	Temporalis	000	000	® ⊗	Temporalis	(N) (N)	(N) (O)	(A) (A)		
		Masseter	000	00		Masseter	(A) (A)	(A) (A)			
	mm	TMJ	000	000		TMI	(N) (N)	(N) (M)			
		Other M Musc	(N) (N)	(N) (Y)		Other M Musc	(N) (N)	(N) (Y)			
		Non-mast	00 00	000		Non-mast	® Ø	1 O			
C. Maximum Ass	isted Opening	Temporalis	(N) (S)	00	(N) (M)	Temporalis	(N) (N)	N O	(N) (Y		
	opening.	Masseter	® Ø	00	0.0	Masseter	® Ø	88	00		
1 1	mm	TMJ	88	000		TMJ	800	80			
		Other M Musc	000	000		Other M Musc	80 80	80 80			
D. Terminated?	® ⊗	Non-mast	88	88		Non-mast	88	88			
		Non-mast	00	00		Non-mast	w 0	W ()			
. Lateral and Pro	trusive Moveme	nts									
			RIGHT			LEFT SIDE					
			Pain	Familiar Pain	Familiar Headache		Pain	Familiar Pain	Familia Headac		
A. Disha takend		Temporalis	(N) (Y)	® Ø	® ⊗	Temporalis	(N) (Y)	N O	N G		
A. Right Lateral		Temporalis	00 00		00	Temporalis			W C		
		Masseter		000		Masseter	0 0	8 O			
	mm	TMJ	000	000		TMJ	000	000			
		Other M Musc	000	000		Other M Musc	000	® Ø			
		Non-mast	(N) (N)	00		Non-mast	00	® Ø			
B. Left Lateral	_	Temporalis	00 O	<b>⊗ ⊗</b>	0 O	Temporalis	® ®	® Ø	10 G		
		Masseter	(A) (A)	0 O		Masseter	(A) (A)	(A) (A)			
	mm	TMJ	N O	⊗ ⊗		TMJ	1 O	(N) (M)			
		Other M Musc	(A) (A)	00		Other M Musc	(N) (Y)	(N) (Y)			
		Non-mast	00	00		Non-mast	00	000			
C. Protrusion		Temporalis	(N) (Y)	(N) (Y)	(N) (Y)	Temporalis	(N) (Y)	N O	(N) (Y		
		Masseter	(N) (N)	000	00	Masseter	000	® Ø			
	mm.	TMJ	88	000		TMJ	88	88			
		Other M Musc	8 8	000		Other M Musc	88	000			
			(I) (I)	(9 ()		Other M Musc	(1) (2)	(1)			
O If negativ	0	Non-mast	(N) (N)	000		Non-mast	(N) (M)	(N) (N)			

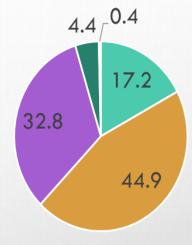
6.	TMJ Noises During Open & Close Movements													
88	RIGHT TMJ					LEFT TMJ								
	-			Pain w/	Familiar		E	xaminer			Pain w/	Familiar		
	Ope		0		Click	Pain		Open			Patient	Click	Pain	
		9 8 6			® Ø	⊗ ⊗	Click Crepitus	80 60		(Y)	0 0 0 0	◆® ®	⊗ ⊗	
7.	TMJ Noises During Lateral & Protrusive Movements					-								
	RIGHT TMJ					LEFT TMJ								
	F	xaminer	Patier		Pain w/ Click	Familiar Pain		F	xaminer	Pat	ient	Pain w/ Click	Familiar Pain	
		N N	000		(N) (N)	N O	Click		(N) (M)		<b>O</b>	(D) (A)	(N) (N)	
	Crepitus (	Ø Ø	000		00	-	Crepitus	-	Ø Ø		0			
8.	Joint Locking													
	RIGHT TMJ						LEFT TMJ							
	Reduction								120 1122 1110	-	Reduct			
	While Opening	Locki (N)		atient	Examiner (N)		While Openin		Locking (N)	Pa (N		aminer		
	Wide Open Posit			90	8 8		Wide Open P		00	0		8 8		
9.	Muscle & TMJ Pain with Palpation													
	RIGHT SIDE					LEFT SIDE								
	(1 kg)		****	Familia Pain	r Familiar Headach		(1 kg)		2000		Familiar Pain	Familiar Headache	Referred Pain	
	Temporalis (posterior)		Pain (N) (Y)	N (Y		(N) (Y)	Temporalis (p	octorior)	Pa		(N) (Y)	(N) (Y)	(N) (Y)	
	Temporalis (midd		00	800		® ⊗	Temporalis (n	7 15 7 10 3 10	0		000	000	0 O	
	Temporalis (anter	The State of the S	00	000		(N) (N)	Temporalis (a	La Contraction		0	N 0	8 B	0 O	
			00	00	į.	00		Laboratoria de la companyo de la com	(0)	0	00		(N) (N)	
	Masseter (origin) Masseter (body)	(N) (N)							Ø	(A) (A)		(N) (N)		
			800	800		88	Masseter (insertion)		8		000		000	
					Familiar	Referred	200000000000000000000000000000000000000					amiliar	Referred	
	THE .		Pa		Pain	Pain				Pai		Pain	Pain	
	Lateral pole (0.5 )	ateral pole (0.5 kg)		00 00 00		(N) (N)	Lateral pole (0.5 kg)			00		00	0 0	
	Around lateral po	ie (1 kg)	0	0	® Ø	⊗ ⊗	Around latera	al pole (1	kg)	0	0 (	90	® ⊗	
10.	Supplemental Muscle Pain with Palpation													
		R	IGHT SII						LEF	T SID	_			
	(0.5 kg) Posterior mandibular region		Pa		Familiar Pain	Referred Pain	(0.5 kg)			Pai		amiliar I Pain	Referred Pain	
			N		N M	N (Y)	Posterior mai	ndibular r	region	(0)		N (N	(N) (Y)	
	Submandibular region		(1)		0 0	00	Submandibul			00		Ø Ø	0 0	
	Lateral pterygoid area		0		000	NO	Lateral ptery	gold area		0		00	000	
	Temporalis tendo	in	0	0	(N) (M)	® Ø	Temporalis to	endon		0	Ø (	90	® ⊗	
11.	Diagnoses													
	Pain Disorders Right TMJ Disorders							Le	ft TMU D	sorders				
1000	None	O None Disc displacement (select one)				O None								
00	Myalgia Myofascial pain w	Jahr mallman I	0	112000000000000000000000000000000000000	eduction	Disc displacement (select one)with reduction								
0	myorasciai pain w	nun reierrai												
0	Right Arthralgia		with reduction, with intermitte without reduction, with limite											
0	Left Arthralgia						and the state of t							
~	Degenerative joint disease					O Degenerative joint disease								
	Headache attributed to TMD     Dislocation						C	) Disloca	tion					
12.	Comments													
		Сор	right Inte	mational	RDC/TMD C	onsortium Net	work. Available at	t http://ww	ww.rdc-tm	dintern	ational or			
_							ed to reproduce,							

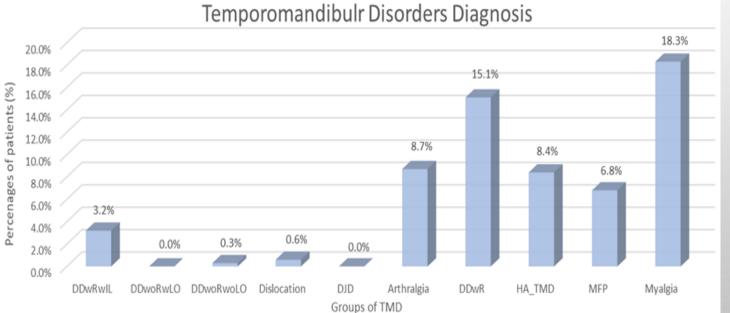


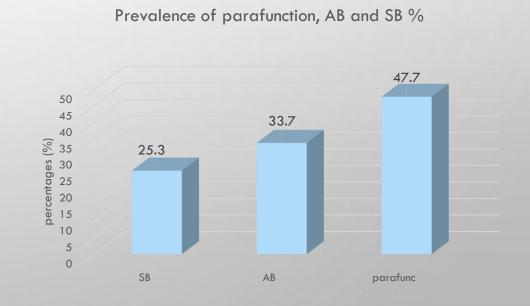
### **RESULTS**





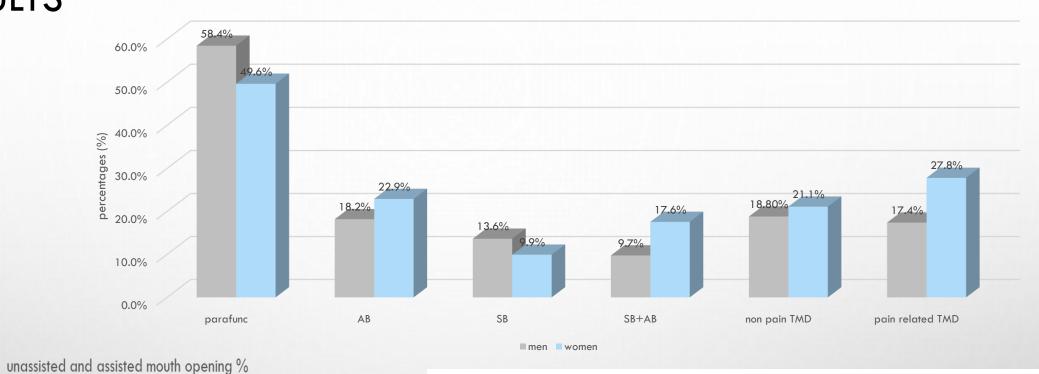


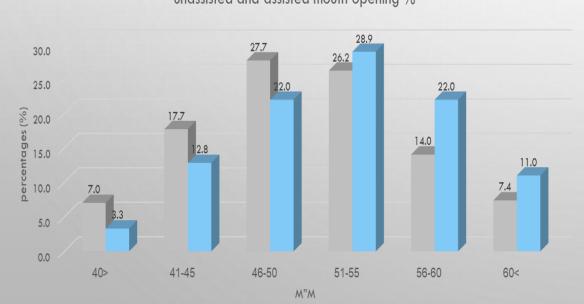


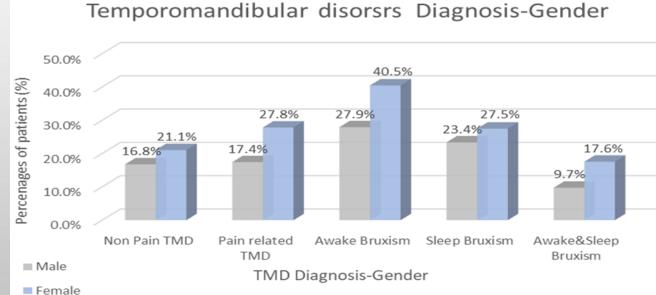




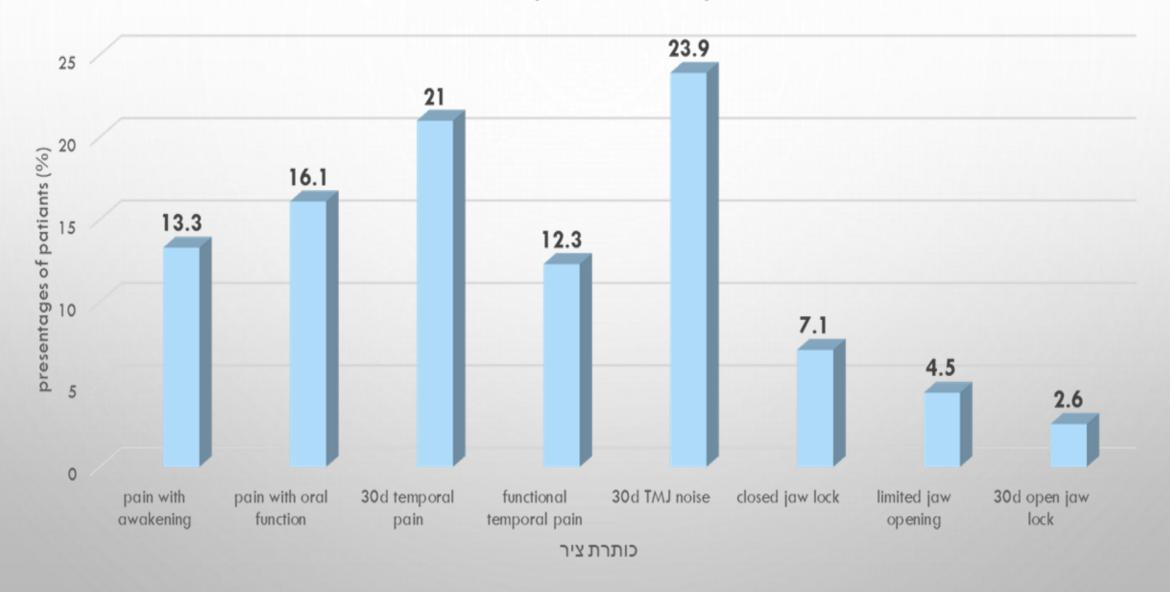
#### parafunction and TMD Diagnosis- gender







## self report summery



#### CONCLUSION

- TMD AND BRUXISM ARE COMMON AMONG PATIENTS ATTENDING THE DENTAL CLINICS OF TAU.
- GENDER (FEMALE) INCREASED THE RISK OF DEVELOPING SOME TMD SYMPTOMS AND DIAGNOSES.
- UNIQUE STUDY FIRST OF ITS KIND IN ISRAEL. A HEALTHY POPULATION.
- COMPARATIVE BASIS FOR FUTURE RESEARCH.