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Introduction

A literature review reported that, besides its aesthetic and psychological function, deciduous dentition plays a signi cant role in development of speech, jaws growth's stimulation and maintenance of space for permanent dentition [1]. However, it is exposed to a rich and varied pathology like tooth decay, trauma and anomalies of number,

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approval and the authorizations by the educational and the health authorities; the parents were well informed, and had given their written agreement. During the survey, children with oral diseases were referred to our paediatric dentistry department for free management according to the directives of the Tunisian National Program of Oral Health.

Sampling

A bi-stage clustered sampling technique was used. In the rst stage, of 42 kindergarten strati ed by district, 11 were randomly selected. Secondly, 36 children were selected in each institution. e sample was chosen in respect of the following inclusion criteria:

- No dental anomalies of number (agenesis or supernumerary teeth)
- No malocclusion (teeth version) because of premature loss of deciduous teeth.

Methods

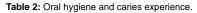
A session for oral hygiene education was performed in a rst contact with children. During the next meeting, a clinical examination was carried out, according to the World Health Organization (WHO) criteria [11], to detect oral a ections. Children were examined in a classroom, under daylight, with the usual dental examining instruments (dental mirror, explorer and tongue depressor); no radiographs were taken. e same investigator performed all examinations in order to avoid "inter-examiner reliability" bias. Data were recorded in a modi ed WHO oral health assessment form [11].

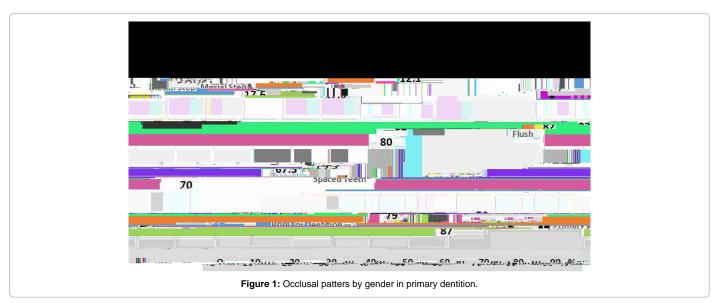
e family income was assessed from the profession of the parents.

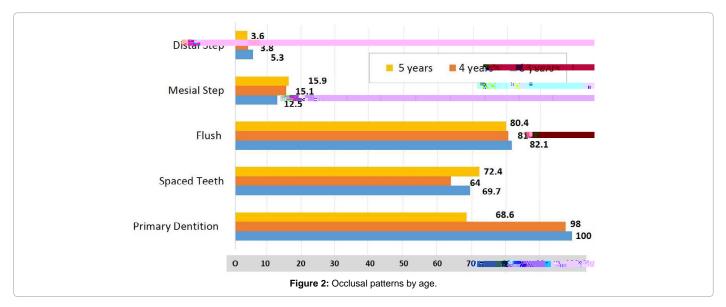
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		Bad oral ygiene (%)	Dental caries (%)	Mean d (SD)	Mean m (SD)	Mean f (SD)	Mean dmft (SD)	Mean SiC (SD)
Gender	Boys	15.4	34.4	1.13(1.04)	0.01 (0.01)	0.01 (0.04)	1.15 (0.57)	5.86 (4.2)
	Girls	14.2	37	1.07 (0.9)	0.01 (0.03)	0.01 (0.02)	1.09 (1.02)	5.46 (4.1)
Age	3	14.3	28.6	0.75 (0.06)	0	0	0.75 (0.23)	4.6 (5.1)
(Y)	4	14.1	33.3	1.08 (0.87)	0.01 (0.03)	0	1.09 (1.0)	5.75 (4.5)
	5	15.4	37.8	1.18	0.01 (0.02)	0.05 (0.02)	1.24 (0.26)	5.65 (3.2)
				-0.2				
Total		14.8	35.7	1.10 (1.0)	0.01 (0.8)	0.01 (0.05)	1.12 (0.02)	5.57
								-2.26







had distal step (Figure 2). Asymmetrical (right/le $\,$) molar relationship was noted in 12% of cases. No signi $\,$ cant di $\,$ erence was noted in these occlusal patterns by age and gender.

in children presenting $\,$ ush molar relationship ($^2{=}21.6,\,p{<}0.001)$ but malocclusion was more frequent in children with dental caries ($^2{=}13.16,\,p{<}0.01).$

e prevalence of malocclusion was about 24.7%, with only 13.3% children presenting moderate to severe malocclusion and needing orthodontic follow up. e analysis revealed that malocclusion was less frequent in children with spaced teeth (2=39.04, p<0.000) and

Discussion

Several limitations of this study must be taken into consideration; the major one was the subjectivity of some information given by Citation: Maatouk F, Ayadi I, Masmoudi F, Chemli MA, Ghedira H (2017) Oral Health and Occlusion in Tunisian Preschool Children. Pediatr Dent Care 2: 137. doi: 10.4172/2573-444X.1000137

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