**Evaluation of Hounsfield Unit Value And Radiomorpometric Indexs in Panoramic Radiographs of Patients with Bruxism (The first letter of each word should be capitalized except conjunctions in title.)**

Sedef Kotanli 1, Yasemin Yavuz 2, Nurbanu Uluısık3 Mehmet Emin Dogan4

1Sedef Kotanli, Harran University, Faculty of Dentistry, Department of Dentomaxillofacial Radiology, Sanliurfa, Turkey, [sedefakyol@harran.edu.tr](mailto:sedefakyol@harran.edu.tr) / Orcid: 0000-0002-0827-0991

2Yasemin Yavuz, Harran University, Faculty of Dentistry, Department of Restorative Dentistry, Sanliurfa ,Turkey , [yyavuz@harran.edu.tr](mailto:yyavuz@harran.edu.tr) / Orcid : 0000-0001-5961-4996

3Nurbanu Uluısık , Harran University, Faculty of Dentistry, Department of Dentomaxillofacial Radiology, Sanliurfa, Turkey, [nurbanuuluisik@harran.edu.tr](mailto:nurbanuuluisik@harran.edu.tr) / Orcid : 0000-0003-2936-2833

4Mehmet Emin Dogan, Harran University, Faculty of Dentistry, Department of Dentomaxillofacial Radiology, Sanliurfa, Turkey [meminemindogan@gmail.com](mailto:meminemindogan@gmail.com) / Orcid: 0000-0003-1216-1867

**Declarations**

**Compliance with ethical standards**

**Funding** No funding resource is associated with this study.

**Conflict of interest** NU, MED, SK and YY declare that they have no conflict of interest.

**Ethical approval** Ethical approval was obtained from Ethical Committee of Harran University (approval date and number: 12 December 2022; HRÜ/ 22.24.05)

**Informed consent** A formal informed consent procedure was waived due to the retrospective nature of this study.

**Availability of data and material** Not applicable

**Additional information (If there is)**  (1) This article is derived from the doctoral thesis of the first author, conducted at Harran University Faculty of Dentistry.

(2) In order to ensure linguistic harmony in the translation process of this study, an artificial intelligence-supported language model (ChatGPT) was used as an auxiliary tool.

**Acknowledgements (If there is)** The authors would like to thank Prof. Dr. Mehmet Sinan Dogan for providing the professional opinion.

**Author contributions**

Protocol/project development: NU, SK.

Data collection and management: MED.

Data analysis: SK.

Manuscript writing/editing: MED, YY.

**Running title:** HU Value and Radiomorpometric Indexs (maximum 50 characters)

**Type of manuscript:** Original article.

# words (abstract): 278

# words (manuscript): 2307

# references: 14

# figures: 7

# tables: 3

**Correspondending Author:**

Asist. Prof. Sedef Kotanli

Address: Harran University Faculty of Dentistry, Department of Dentomaxillofacial Radiology

63300 Haliliye, Sanliurfa/Turkey

Phone: +90 506 677 53 85

E-mail: sedefakyol@harran.edu.tr