

OFFICIAL TITLE OF THE STUDY:

**EFFECT OF DILUTED THYME HONEY ON DRY MOUTH IN
INTENSIVE CARE UNIT PATIENTS EXPOSED TO OXYGEN FLOW
THERAPY: A RANDOMIZED CONTROLLED STUDY**

DOCUMENT TYPE: DATA ANALYSIS

RESEARCHERS:

- **ESRA YAPRAK GÖKTÜRK (MSC)
ANKARA UNIVERSITY
GRADUATE SCHOOL OF HEALTH SCIENCES**
- **AYTEN DEMİR (PROFESSOR DOCTOR)
ANKARA UNIVERSITY
FACULTY OF NURSING**

DOCUMENT DATE: 30/11/2022

ANKARA/TURKEY

EFFECT OF DİLUTED THYME HONEY ON DRY MOUTH IN INTENSİVE CARE ÜNİT PATİENTS EXPOSED TO OXYGEN FLOW THERAPY: A RANDOMİZED CONTROLLED STUDY

- **NCT ID :** Not Yet Assigned

- **Correspondance**

Esra Yaprak Göktürk (eyk1994.ek@gmail.com) (+905377819714)

- **Esra Yaprak GÖKTÜRK**

Nursing Department Thesis Master's Program, Institute of Health Sciences, Ankara University

eyk1994.ek@gmail.com

Clinical Trials Organization: AnkaraU

Clinical Trials User: EYGokturk

- **Ayten DEMİR**

Faculty of Nursing, Department of Nursing, Ankara University, Ankara Türkiye
aytendemirankara@gmail.com

<https://orcid.org/0000-0002-5677-2347>

- **Ethics Statement**

To conduct this research, ethics committee approval (number 56786525-050.04.04/737202) dated November 30, 2022, was obtained from the Ankara University Rectorate Ethics Committee. Institutional approval (meeting number 0137) dated September 18, 2022, was obtained from the Ankara Training and Research Hospital, where the research was conducted. This study was completed as a master's thesis in the Nursing Department program at Ankara University, Institute of Health Sciences.

- **Data Availability Statement**

We have confirmed that the methods used in data analysis are appropriate. They were applied to our data within the study design and context, and the statistical results were applied and interpreted correctly. As a condition of journal submission, we accept responsibility for ensuring that the selection of statistical methods is appropriate and is performed and interpreted correctly. The data and original materials contained in this study can be obtained by contacting Esra Yaprak Göktürk, one of the authors of this study, at eyk1994.ek@gmail.com

DATA ANALYSIS

The data collected in the study were analyzed using SPSS (Statistical Package for Social Sciences) for Windows 22.0 program. Descriptive statistical methods such as number, percentage, mean, and standard deviation were used to evaluate the data. Differences between the rates of categorical variables in the independent intervention and control groups were analyzed using Chi-Square and Fisher exact tests. Kurtosis and Skewness values were analyzed to determine whether the variables of the study were normally distributed.

Table 1. Normal Distribution of Intensive Care Unit Patients Receiving Nasal Oxygen Flow Therapy in Control and Intervention Groups

VARIABLES	Control Group (n=32)		Intervention Group (n=32)	
	Kurtosis	Skewness	Kurtosis	Skewness
Dry mouth pretest	-1,115	-0,169	-0,949	-0,287
Swallowing difficulty pretest	-1,336	0,148	-1,051	0,214
Speech difficulty pretest	-1,445	0,165	-1,222	0,273
Pre-test waking up from sleep with dry mouth body	-0,994	0,356	-0,695	0,557
Dry tongue pretest	-1,171	0,281	-0,758	0,570
Burning in the mouth pretest	-1,261	-0,009	-1,223	0,018
Preliminary test for dryness in the throat	-0,448	-0,268	1,214	-1,136
Thirst pre-test	-1,342	-0,450	-0,350	-0,871
Bad taste in the mouth pretest	0,555	0,739	-0,213	-0,370
Saliva quantity pretest	-0,339	-0,412	-0,319	-0,677
Pre-test for bad breath odor	-0,032	0,525	-0,398	0,501
Dry mouth post-test	-0,464	-0,660	-0,906	-0,084
Swallowing difficulty post-test	-1,544	0,141	-0,724	-0,062
Speech difficulty post-test	-1,462	0,228	-0,940	0,555
Waking up from sleep with dry mouth body post-test	-0,043	0,830	-0,582	0,804
Dry tongue post-test	-1,158	0,381	-1,242	0,426
Burning in the mouth final test	-0,220	0,719	-1,061	0,301
Final test for dryness in the throat	-0,369	-0,358	-0,132	-0,307
Thirst final test	-0,496	-0,169	-0,940	-0,379
The last test of bad taste in the mouth	-0,194	0,893	-0,558	0,404
Saliva quantity post-test	-0,352	0,241	1,154	-1,321
The last test of bad breath odor	0,721	0,888	0,987	1,039