

CODEBOOK

Study Title

Effect of Intraoral Photobiomodulation on Nutritional Outcomes in Patients Undergoing Hematopoietic Cell Transplantation: A Secondary Analysis of a Randomized Controlled Trial

Dataset Description

This dataset contains anonymized participant-level data used to generate the tables and figure reported in the manuscript. The dataset includes sociodemographic, clinical, anthropometric, nutritional status, dietary intake, nutritional adequacy, and nutritional support variables from adult patients undergoing hematopoietic cell transplantation.

Study Design

Secondary analysis of a randomized controlled trial.

Study Setting

Clínica Dávila, Santiago, Chile.

General Notes

Each row represents one participant. The variable id is an anonymous study identifier. Missing values are represented according to the exported dataset format. Continuous variables are reported in their original measurement units. Categorical variables are coded numerically as described below.

Variable Dictionary

Identification and Treatment Allocation

Variable	Description	Type	Coding / Unit
id	Anonymous participant identifier	String/Numeric	Unique study code
grup_asignado	Randomized treatment group	Categorical	0 = Control; 1 = Intervention/Photo biomodulation

Sociodemographic Variables

Variable	Description	Type	Coding / Unit
edad	Age	Numeric	Years
sexo	Sex	Categorical	0 = Female; 1 = Male
nivel_edu	Educational level	Categorical	1 = Incomplete primary education; 2 = Complete primary; 3 = Incomplete secondary education; 4 = Complete secondary education; 5 = Technical education; 6 = University education; 7 = Post degree education

Clinical Characteristics

Variable	Description	Type	Coding / Unit
dg_cancer	Hematologic cancer diagnosis	Categorical	1 = Acute Myeloid Leukemia; 2 = Chronic Myeloid Leukemia; 3 = Acute Lymphoblastic Leukemia; 4 = Multiple Myeloma; 5 = Hodgkin Lymphoma; 6 = Non-Hodgkin Lymphoma; 7 = Myelodysplastic Syndrome
Nonecog	Eastern Cooperative Oncology Group performance status	Ordinal	ECOG score

Variable	Description	Type	Coding / Unit
respiratory_diseases	Respiratory disease	Binary	0 = No; 1 = Yes
depression	Depression	Binary	0 = No; 1 = Yes
musculoskeletal_disorders	Musculoskeletal disorders	Binary	0 = No; 1 = Yes
diabetes_mellitus	Diabetes mellitus	Binary	0 = No; 1 = Yes
hypertension	Hypertension	Binary	0 = No; 1 = Yes
tto_qt	Previous chemotherapy	Binary	0 = No; 1 = Yes
tto_rt	Previous radiotherapy	Binary	0 = No; 1 = Yes
tto_inm	Previous immunotherapy	Binary	0 = No; 1 = Yes
tipo_tph	Type of hematopoietic cell transplantation	Categorical	0 = Allogeneic; 1 = Autologous
tipo_acondi	Conditioning regimen	Categorical	0 = Reduced-intensity conditioning; 1 = Myeloablative conditioning
dias_hospi	Length of hospitalization	Numeric	Days

Anthropometric Variables

Variable	Description	Type	Coding / Unit
peso1_kg	Baseline body weight	Numeric	kg
peso2_kg	Follow-up body weight	Numeric	kg
diff_weight	Change in body weight between follow-up and baseline	Numeric	kg
porc_per_peso	Percentage change in body weight	Numeric	%
talla_cm	Height	Numeric	cm

Variable	Description	Type	Coding / Unit
imc	Baseline body mass index	Numeric	kg/m ²
imc_final	Follow-up body mass index	Numeric	kg/m ²
cb_cm_basal	Baseline arm circumference	Numeric	cm
cb_cm_fin	Follow-up arm circumference	Numeric	cm
diff_cb	Change in arm circumference between follow-up and baseline	Numeric	cm
porc_perd_cb	Percentage change in arm circumference	Numeric	%
cp_cm_basal	Baseline calf circumference	Numeric	cm
cp_cm_fin	Follow-up calf circumference	Numeric	cm
diff_cp	Change in calf circumference between follow-up and baseline	Numeric	cm
porc_perd_cp	Percentage change in calf circumference	Numeric	%

Functional Assessment

Variable	Description	Type	Coding / Unit
hgs_basal_mean	Baseline handgrip strength	Numeric	kg
hgs_final_mean	Follow-up handgrip strength	Numeric	kg

Nutritional Status

Variable	Description	Type	Coding / Unit
glim_basal	Baseline nutritional status according to GLIM criteria	Categorical	0 = Without nutrition risk; 2 = Moderate malnutrition; 4 = Severe malnutrition

Variable	Description	Type	Coding / Unit
glim_fin	Follow-up nutritional status according to GLIM criteria	Categorical	0 = Without nutrition risk; 2 = Moderate malnutrition; 4 = Severe malnutrition

Estimated Nutritional Requirements

Variable	Description	Type	Coding / Unit
requer_kcal	Estimated energy requirement	daily Numeric	kcal/day
requer_ptn	Estimated protein requirement	daily Numeric	g/day

Weekly Dietary Intake

Variable	Description	Type	Coding / Unit
prom_kcal_sem1	Mean daily energy intake during week 1	Numeric	kcal/day
prom_kcal_sem2	Mean daily energy intake during week 2	Numeric	kcal/day
prom_kcal_sem3	Mean daily energy intake during week 3	Numeric	kcal/day
prom_ptn_sem1	Mean daily protein intake during week 1	Numeric	g/day
prom_ptn_sem2	Mean daily protein intake during week 2	Numeric	g/day
prom_ptn_sem3	Mean daily protein intake during week 3	Numeric	g/day

Weekly Nutritional Adequacy

Variable	Description	Type	Coding / Unit
adec_kcal_sem1	Mean energy adequacy during week 1	Numeric	%

Variable	Description	Type	Coding / Unit
adec_kcal_sem2	Mean energy adequacy during week 2	Numeric	%
adec_kcal_sem3	Mean energy adequacy during week 3	Numeric	%
adec_ptn_sem1	Mean protein adequacy during week 1	Numeric	%
adec_ptn_sem2	Mean protein adequacy during week 2	Numeric	%
adec_ptn_sem3	Mean protein adequacy during week 3	Numeric	%

Daily Intake and Adequacy

Variable	Description	Type	Coding / Unit
dia0_kcal dia20_kcal	to Daily energy intake from day 0 to day 20 post-transplantation	Numeric	kcal/day
dia0_prote dia20_prote	to Daily protein intake from day 0 to day 20 post-transplantation	Numeric	g/day
d0_porc_adec_kcal to d20_porc_adec_kcal	Daily energy adequacy from day 0 to day 20 post-transplantation	Numeric	%
d0_porc_adec_ptn to d20_porc_adec_ptn	Daily protein adequacy from day 0 to day 20 post-transplantation	Numeric	%

Daily Nutritional Support

Variable	Description	Type	Coding / Unit
dia0_soporte dia20_soporte	to Daily nutritional support modality from day 0 to day 20 post-transplantation	Categorical	0 = Oral intake only; 1 = Parenteral nutrition only; 2 = Oral nutritional supplements only; 3 = Parenteral

Variable	Description	Type	Coding / Unit
			nutrition + oral nutritional supplements; 4 = Oral intake + parenteral nutrition; 5 = Oral intake + oral nutritional supplements

Abbreviations

BMI = Body Mass Index

ECOG = Eastern Cooperative Oncology Group

GLIM = Global Leadership Initiative on Malnutrition

HCT = Hematopoietic Cell Transplantation

NRS-2002 = Nutritional Risk Screening 2002

ONS = Oral Nutritional Supplements

PBM = Photobiomodulation

PN = Parenteral Nutrition