Declaration by the candidate:

THE UNIVERSITY OF TRANS-DISCIPLINARY HEALTH SCIENCES AND TECHNOLOGY

Private University Established in Karnataka by ACT 35 of 2013

BENGALURU – 560064

DECLARATION BY THE CANDIDATE

I declare that this thesis entitled "Analysis of hospital based Ayurvedic clinical practice to gain Real World data knowledge" submitted for the award of Doctor of Philosophy to THE UNIVERSITY OF TRANS-DISCIPLINARY HEALTH SCIENCES AND TECHNOLOGY, Bengaluru, is my original work, conducted under the supervision of my guide Dr. Ashwini Godbole. I also wish to inform that no part of the research has been submitted for a degree or examination at any university. References, help and material obtained from other sources have been duly acknowledged.

I hereby confirm the originality of the work and that there is no plagiarism in any part of the dissertation.

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CERTIFICATE

This is to certify that the work in this thesis "Analysis of hospital based Ayurvedic clinical practice to gain Real World data knowledge" submitted by Vinay Mahajan was carried out under my supervision. No part of this thesis has been submitted for a degree or examination at any university. References, help and material obtained from other sources have been duly acknowledged. I hereby confirm the originality of the work and that there is no plagiarism in any part of the dissertation.

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Acronyms

ACD: Ayurvedic Classification Dictionary
A-HMIS: Ayurveda Hospital Management Information System
AYUSH: Ayurveda, Yoga and Naturopathy, Unani, Siddha and Homeopathy
CCRAS: Central Council for Research in Ayurvedic Sciences
CDISC: Clinical Data Interchange Standards Consortium
COPD: Chronic Obstructive Pulmonary Disease
COSTART: Coding Symbols for Thesaurus of Adverse Reaction Terms
CTC: Clinical Toxicity Grade
DARWIN EU: Data Analysis and Real-World Interrogation Network
EHR: Electronic Health Record
EMA: European Medicinal Agency
EMR: Electronic Medical Record
EU: European Union
GCP: Good Clinical Practice
GCRP: Good Clinical Research Practice
GDP: Gross Domestic Product
HM: Hospital Management
I-AIM: Institute of Ayurveda and Integrative medicines
ICD: International Classification of Diseases
ICH: International Council for Harmonization of Technical Requirements for Pharmaceuticals for Human Use
IDC: International Data Corporation
IDC: International Data Corporation
IP visit: In-Patient visit
ISO: International Organization for Standardization
LOINC: Logical Observation Identifiers Names and Codes
MedDRA: Medical Dictionary for Regulatory Activities
NCI: National Cancer Institute, USA
NEJM: New England Journal of Medicine
OP visit: Out-Patient visit
PMDA: Pharmaceuticals and Medical Devices Agency (Health Authority Japan)
RCT: Randomized Controlled Trial
RMSD: Rheumatic and Musculoskeletal disease
RWD: Real World Data
RWE: Real World Evidence
SQL: Structured Query Language
TDU: The University of Trans-Disciplinary Health Sciences & Technology
THERAN: THE Research Application Nexus
TKDL: Traditional Knowledge Digital Library
UHC: Universal Health Coverage
US FDA: US Food and Drug Administration

WHO: World Health Organization
WHO-ART: World Health Organization Adverse Reactions Terminology
WHO-DDE: World Health Organization Drug Dictionary Enhanced