UNIVERSITAS
GADJAH MADA

Correlation Between Vascular Risk Factor and NIHSS Score in Acute Ischemic Stroke Patients
KUSUMA MUHAMMAD A, dr. Abdul Ghofir, Sp.S(K), M.Sc; Dr. dr. Ahmad Asmedi, Sp.S(K), M.Kes
Universitas Gadjah Mada, 2020 | Diunduh dari http://etd.repository.ugm.ac.id/

TABLE OF CONTENTS

TITLE PAGE i
APPROVAL PAGE ii
AUTHENTICITY STATEMENT iii
PREFACE iv
TABLE OF CONTENTS v
LIST OF TABLES viii
LIST OF FIGURES ix
LIST OF ABBREVIATIONS x
ABSTRACT xi
INTISARI xii
CHAPTER I INTRODUCTION 1
A. Background 1
B. Problem Formulation 4
C. Research Objective 5
D. Research Authenticity 5
E. Study Benefits 7
CHAPTER II LITERATURE REVIEW 9
A. Literature Review 9
1. Stroke 9
1.1 Definition of Stroke 9
1.2 Ischemic Stroke 10
1.3 Diagnosis of Ischemic Stroke 11
1.4 Epidemiology of Stroke 12
1.5 Management of Stroke 12
2. NIHSS 13
2.1 NIHSS History and Development 14
2.2 The Content of NIHSS 15
2.3 The Use of NIHSS in Trials 15
2.4 The Use of NIHSS in Clinical Practice 16
3. Vascular Risk Factor of Stroke 16
3.1 Hypertension and Stroke 17
3.2 High Cholesterol Level and Stroke 18
3.3 Diabetes and Stroke 19
3.4 Smoking and Stroke 20
B. Basic Theory 22
C. Theoretical Framework 23
D. Conceptual Framework 24

UNIVERSITAS
GADJAH MADA

Correlation Between Vascular Risk Factor and NIHSS Score in Acute Ischemic Stroke Patients
KUSUMA MUHAMMAD A, dr. Abdul Ghofir, Sp.S(K), M.Sc; Dr. dr. Ahmad Asmedi, Sp.S(K), M.Kes
Universitas Gadjah Mada, 2020 | Diunduh dari http://etd.repository.ugm.ac.id/

CHAPTER III RESEARCH METHODOLOGY 25

A. Research Type and Design..... 25
B. Research Time and Place..... 25
C. Research Subject and Population 25
D. Sample Size..... 25
E. Research Variables 26
F. Operational Definition on Research Variables 26
G. Research Flow..... 27
H. Research Procedure..... 27
I. Research Ethics 27
J. Statistical Analysis 28
K. Research Duration..... 28

CHAPTER IV RESULT AND DISCUSSION..... 29

1. Subject Demographics 29
2. Scatter Plot Graph, Correlation, and Regression 31
   2.1 Hypertension to NIHSS Score..... 31
   2.2 Total Cholesterol to NIHSS Score..... 34
   2.3 Random Blood Glucose to NIHSS Score 36
   2.4 Smoking to NIHSS Score 39
3. Study Limitation 41

CHAPTER V CONCLUSION AND SUGGESTION 42

A. Conclusion 42
B. Suggestion..... 42

REFERENCES 43

APPENDIX..... 46