The impact of imagery ability on image vividness: the case of HPV vaccine advertising

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The Impact of Imagery Ability on Image Vividness:

The Case of HPV Vaccine Advertising

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for the degree of
Master of Philosophy

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ABSTRACT

Exploring disputes over the vividness hypothesis, this study introduces a cognitive psychological perspective to re-examine the conceptual dimensions and operational measurement issues. Two puzzling related components, image and imagery, are scrutinized under the assumptions of the Limited Capacity Model (LCM) to re-conceptualize “visual vividness”. Pictorial superiority is suggested as one of the major cues to provoke imagery processing. Connected by cognitive elaboration and resource allocation for information processing, the individual’s imagery ability is shown to have a moderating impact between pictorial superiority and vividness perception. Two other pivotal advertising variables, free recall and favorable attitude, are also influenced by this interaction effect, in which vividness perception is a mediator between imagery ability and recall.

A 2 (high/low imagery ability) x 2 (pictorial/non-pictorial) experiment using an HPV vaccine advertisement was conducted with 147 female undergraduate students from Shenzhen University. Findings support the moderating effect on all three main dependent variables, and the mediating role of vividness conception is confirmed. Theoretically, it contributes an explanatory mechanism for the discrepant effect of vividness and pictorial superiority while practically, it provides advertisers with more precise details for audience segmentation.

Keywords: imagery ability, image vividness, vividness hypothesis, Dual Coding Theory, recall
# TABLE OF CONTENTS

DECLARATION .................................................................................................................. i

ABSTRACT ....................................................................................................................... ii

ACKNOWLEDGEMENTS ................................................................................................. iii

TABLE OF CONTENTS ................................................................................................. iv

LIST OF TABLES ............................................................................................................ vi

LIST OF FIGURES .......................................................................................................... vii

Chapter 1 Introduction .................................................................................................. 1

  1.1 Purpose of the study ................................................................................................. 3
  1.2 Overview of the structure ....................................................................................... 5

Chapter 2 Literature Review and Theoretical Framework ............................................ 6

  2.1 Theoretical assumptions ......................................................................................... 6
  2.2 Vividness hypothesis ............................................................................................... 8
  2.3 Image vs. Imagery .................................................................................................. 11
  2.4 Dual Coding Theory & Imagery Ability ................................................................ 16
  2.5 Vividness perception, Recall & Attitude ............................................................... 19
      Recall effect ............................................................................................................. 23
      Attitude .................................................................................................................. 25
      Vividness perception as a mediator ..................................................................... 27
  2.6 Context of current study ....................................................................................... 28

Chapter 3 Effects of imagery ability and pictorial superiority ..................................... 30

  3.1 Methodology ......................................................................................................... 30
  3.2 Results ................................................................................................................... 38
  3.3 Hypothesis Testing and Answers to Research Questions ...................................... 52

Chapter 4 Conclusion and Discussion ....................................................................... 54

  4.1 Theoretical implications ......................................................................................... 54
  4.2 Practical implications ............................................................................................. 56
  4.3 Limitations ............................................................................................................. 57
  4.4 Directions for further research ............................................................................ 58

References .................................................................................................................... 62
Appendix A .................................................................................................................. 78
Appendix B .................................................................................................................. 80
Appendix C .................................................................................................................. 88
Curriculum Vitae .......................................................................................................... 89