



Garden of Knowledge and Virtue

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STROKE KNOWLEDGE AND INFORMATION NEEDS AMONG STUDENTS: A REVIEW OF LITERATURE

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TABLE OF CONTENTS



1.

Introduction



2.

Search Strategy



3.

Literature
Review





1. Introduction

In 2013, reported globally

- Almost 25.7 million stroke survivors
- 6.5 million stroke fatalities
- 113 million disability-adjusted life-years (DALYs) lost due to stroke
- 10.3 million new cases of stroke

(Venketasubramanian et al., 2017)

- Department of Statistics, Malaysia addressed stroke emerged as one of the top five leading causes of mortality since 2000

(Basri et al., 2020)

- Effective post-stroke care is essential to improve outcomes for both patients and families.
- Limited skills, competence and low levels of awareness and knowledge, represent barriers to optimal evidence-based practice in stroke care (Baatiema et al., 2017)
- Freeland et al. (2016) and Palli et al. (2017) stated that nurses did not have the adequate knowledge and skills to allow them to screen for and treat dysphagia in post-stroke patients.



SIGNIFICANCE OF STUDY

- To update the current literatures on stroke knowledge and informational needs



2.

Search Strategy



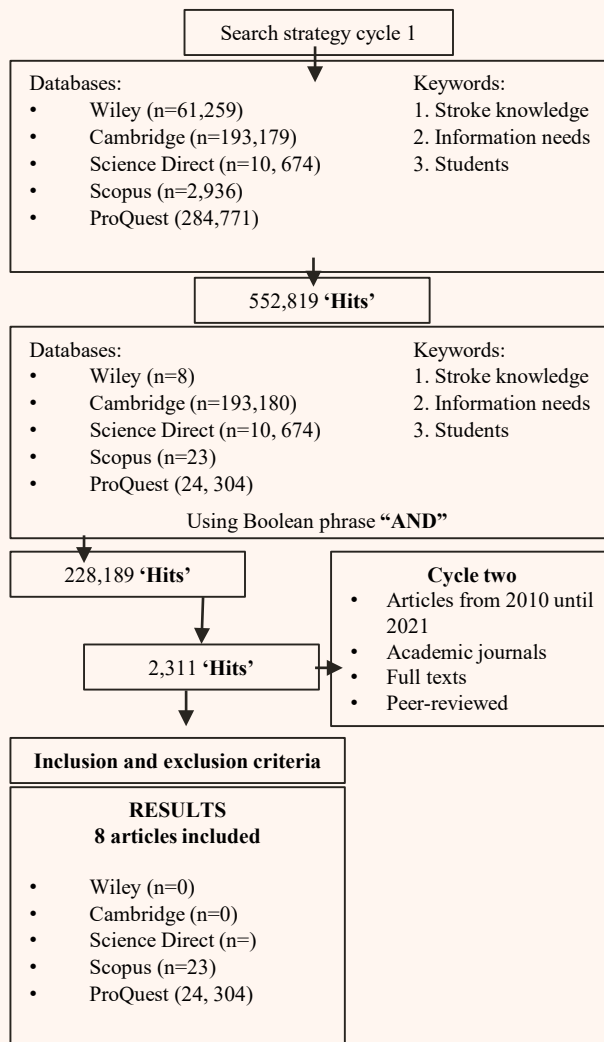
Inclusion Criteria

- Using Boolean phrase “AND”
- Articles from 2010 until 2021
- Full texts
- Peer-reviewed

8 articles included

- Wiley (n=0)
- Cambridge (n=0)
- Science Direct (n=2)
 - Scopus (n=1)
 - ProQuest (n=5)



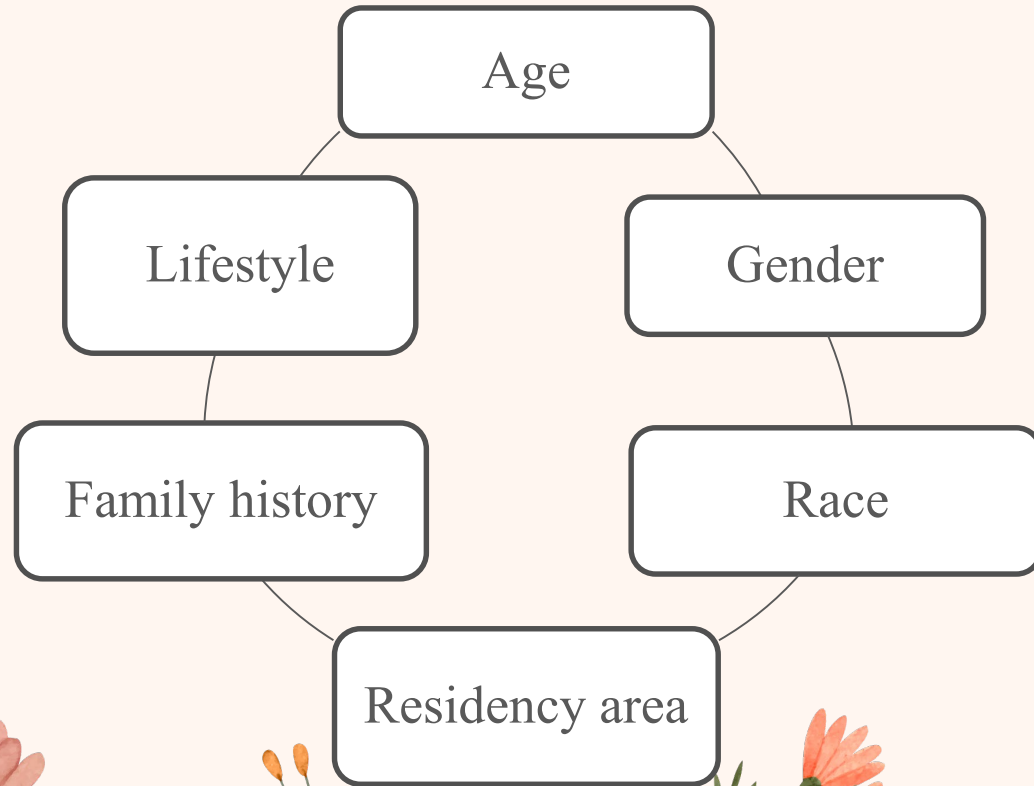


3.

Literature
Re view



KNOWLEDGE ON RISK FACTORS OF STROK






AGE

- Youths and adolescents have a poor understanding of stroke risk factors (Umar et al., 2019).
- Age difference among participants was insufficient to correlate with level of knowledge because the study only included students preparing for or taking an undergraduate medical entrance examination (Pradhan et al., 2021)
- It is showed that there is no association of age with stroke risk factor identified (Thapa et al., 2016)
- Komolafe et al. (2020) reported that older adolescents' students in Nigeria have higher stroke knowledge level compared to middle and early adolescents.





GENDER

- Richmawati et al. (2020) and Thapa et al. (2016) agreed that knowledge of stroke risk factors among gender showed no significant difference.
 - Male respondents had greater knowledge of smoking and oily foods as risk factors and facial weakness as a symptom of stroke than female respondents. (Pradhan et al., 2021).
 - High school boys have a little more knowledge about stroke compared to the girls (Umar et al., 2019).
- 



RACE

- Umar et al. (2019) found that Hispanics had the lowest average stroke knowledge scores, while Caucasians had the highest average scores.
- Sharrief et al. (2016) discovered that African American participants knew less about strokes than other ethnic groups such as Caucasians.
- However, there is no data found for stroke knowledge among race in Malaysia.





RESIDENCY AREA

- Pradhan et al. (2021) stated that the students who took part in the study were from a specific institute in an urban setting, and only one-tenth of them had never heard of stroke before.
- Umar et al. (2019) carried out a study with middle and high school students from an urban public school in the United States and from this study, it showed that the stroke knowledge of the participants is relatively low.
- However, there is no findings related to the residency area of students in Malaysia.

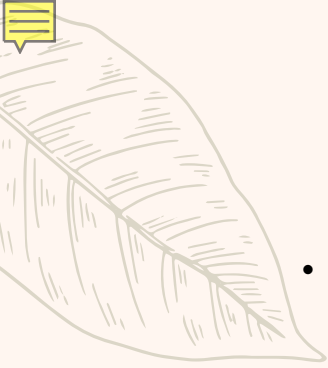




FAMILY HISTORY

- Thapa et al. (2016) has discovered that having a family history of stroke was not related to knowing about stroke risk factors.
- Similarly, it was reported that having a stroke family member diagnosed with stroke had no significant association with the mean scores on the stroke (Khubaib et al., 2016).
- Brechtel et al. (2019) mentioned that middle school students able to share experienced from family history of stroke and it can be seen that they can explain the symptoms of suddenly dropped the cup of coffee and slurred speech.





LIFESTYLE

- Brechtel et al. (2019) stated that middle school students had a general lack of knowledge about healthy eating habits and lifestyle activities.
- Pradhan et al. (2021) discussed that less than half of the participants could name oily foods and alcohol consumption as risk factors for stroke, while only one-third of the participants could name smoking as a risk factor for stroke.
- Basic knowledge of salty foods was generally low among middle school students, whereas basic knowledge of drinks with the highest sugar levels was generally high; both of these are risk factors for stroke (Wormack et al., 2019).
- Unhealthy diet is also stress out by Umar et al. (2019) as the risk factor linked to stroke and they encourage students to prevent poor diets and sedentary lifestyles.





KNOWLEDGE ON WARNING SIGN OF STROKE

Komolafe et al., 2020

Poor awareness of stroke warning sign has been reported among school attending adolescents in Nigeria

Umar et al., 2019

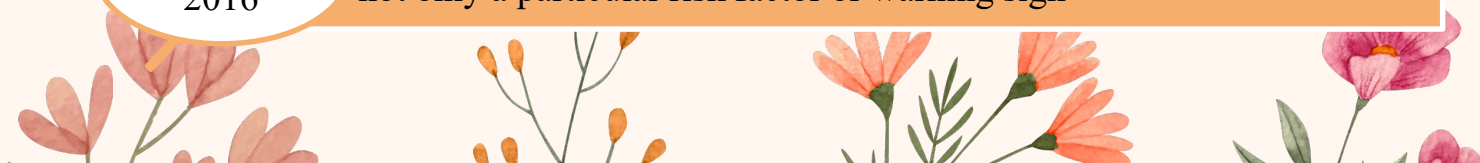
Only 5.1 percent from the participants which are middle and high school students select all four correct symptoms of stroke

Wormack et al., 2019

Middle school students would call 911 as they were aware of the cardinal symptoms of stroke

Thapa et al., 2016

There is a need in overall improvement of the existing knowledge and not only a particular risk factor or warning sign



INFORMATION NEEDS IN CARING FOR A STROKE PATIENT

Jacob et al. 2020

- Concept of assistive movement stroke therapy
- Long term physiotherapy is also required for post-stroke patients

Khubaib et al. 2016

Use of aspirin is important as oral aspirin should be administered to the patients within 24-48 hours of ischemic stroke

Oliveira et al.2020

- Conceptualize of nursing care to the person with post-stroke dysphagia is important

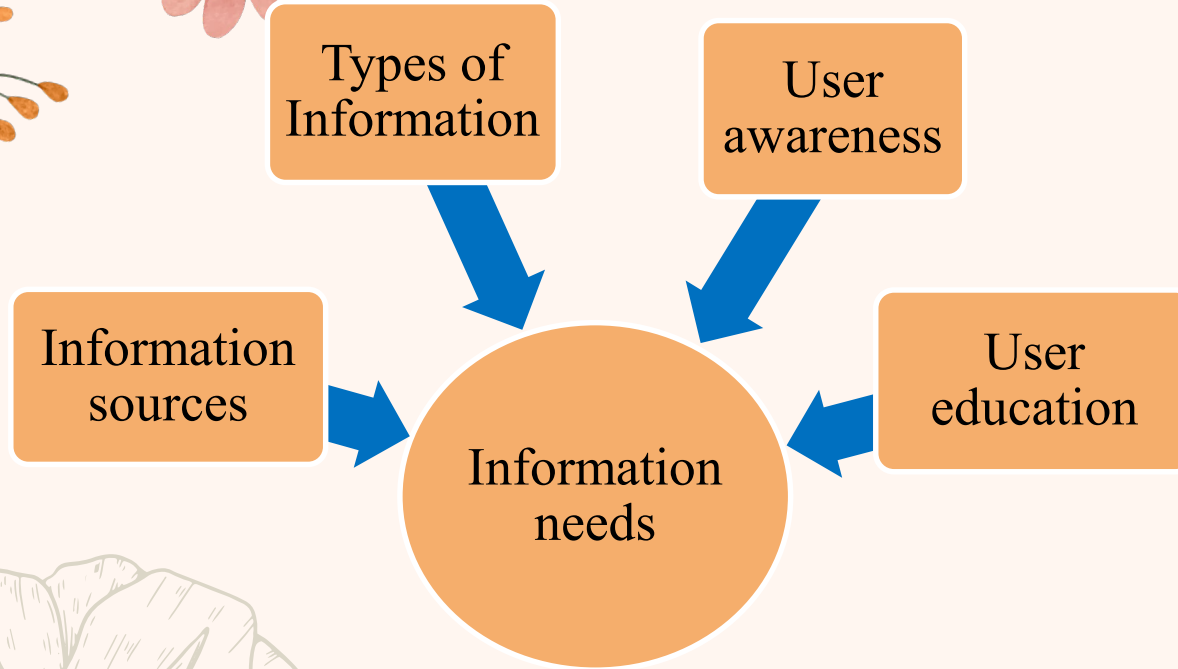
Pradhan et al. 2021

Community and school-based programs and health education provided by medical personnel were considered to be the most effective methods to make people aware of stroke

Wormack et al. 2019

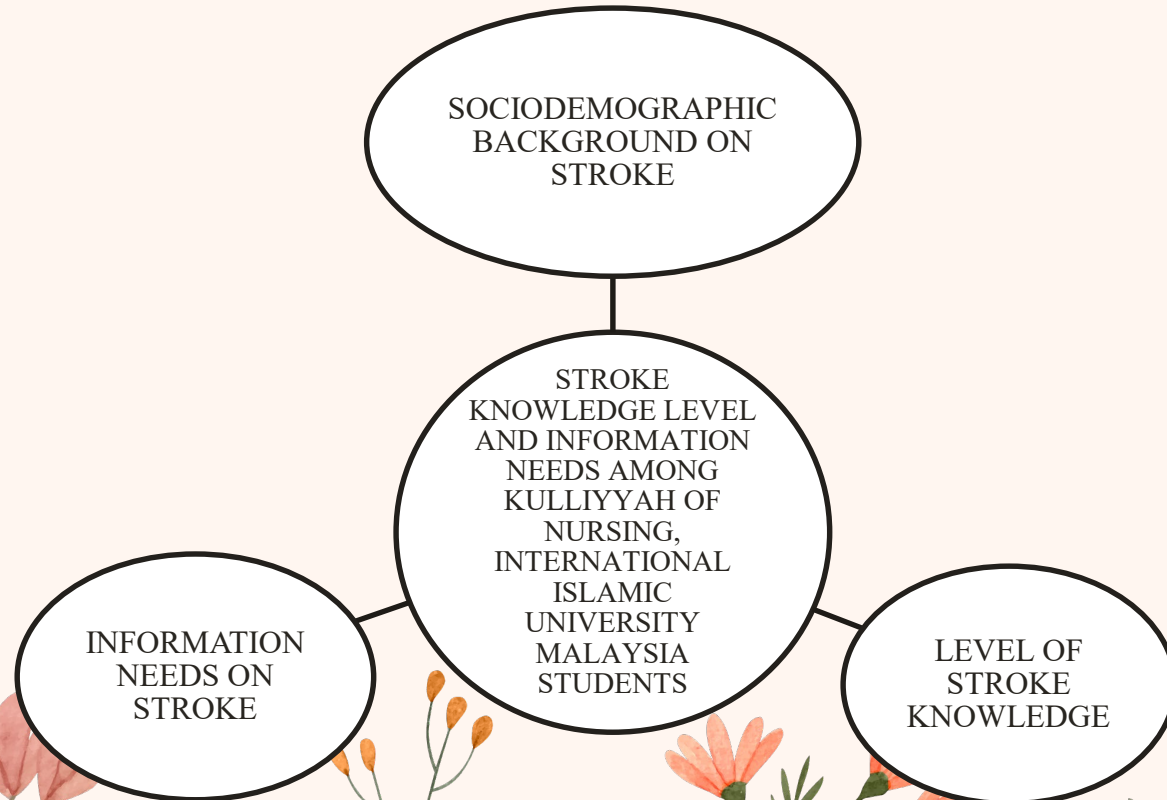
- It is very effective to increase knowledge on stroke issues, healthy lifestyle choices and to promote health behaviours

THEORETICAL FRAMEWORK



The theoretical framework of Wilson's Model, 1981

CONCEPTUAL FRAMEWORK



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PROGRAMME BOOK

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Session 3 (Day 2)**Time: 11.15 AM – 12.30 PM****Venue: Hall 3****Moderator/ Timekeeper: Asst Prof. Dr. Nik Noor Kaussar Nik Mohd Hatta****Judges: Asst Prof. Dr. Nurashikin Mohd Sharif & Asst Prof. Dr. Siti Zuhaidah Shahadan**

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