

Nurses' Knowledge About Warfarin Interaction Questionnaire

Section 1: Demographic and Work-Related Data

1. Age (years):

- ☐ 21-29
- ☐ 30-40
- ☐ >41

2. Gender:

- ☐ Male
- ☐ Female

3. Education Level:

- ☐ Diploma degree
- ☐ Bachelor degree
- ☐ Postgraduate degree

4. Working Experience (years):

- ☐ 1-5
- ☐ 6-10
- ☐ >11

5. Type of Hospital:

- ☐ Governmental sector
- ☐ Private sector
- ☐ Educational sector

6. Job Title Position:

- ☐ Staff nurse (bedside registered nurse)
- ☐ Advanced nurse practitioner
- ☐ Administrative nurse

7. Working Unit:

- ☐ Medical-surgical ward
- ☐ Critical care unit

8. Have you provided direct care for patients receiving warfarin in the last two weeks?

- ☐ Yes
- ☐ No

9. Self-confidence in implementing warfarin interaction care:

- ☐ High
- ☐ Moderate
- ☐ Low

10. Have you been exposed to health education related to warfarin interaction?

- ☐ Yes
- ☐ No

11. Have you received training regarding anticoagulants during your work experience?

- ☐ Yes
- ☐ No

Section 2: Nurses' Knowledge about Warfarin–Drug Interactions

Instructions: Please indicate how each of the following drugs or agents affects warfarin anticoagulation by selecting one response option for each.

Drug Category	Drug/Agent	Enhance	Inhibit	No Effect	I Don't Know
Anti-inflammatory Agents	Aspirin	☐	☐	☐	☐
	Ibuprofen	☐	☐	☐	☐
	Topical Salicylates	☐	☐	☐	☐
	Naproxen	☐	☐	☐	☐
	Acetaminophen	☐	☐	☐	☐
	Celecoxib	☐	☐	☐	☐
Cardiac Agents	Propranolol (Inderal)	☐	☐	☐	☐
	Atenolol (Tenormin)	☐	☐	☐	☐
	Amiodarone	☐	☐	☐	☐
	Diltiazem	☐	☐	☐	☐
	Lovastatin	☐	☐	☐	☐
Gastrointestinal Agents	Antacids	☐	☐	☐	☐
	Proton Pump Inhibitor	☐	☐	☐	☐
	Sucralfate (Carafate)	☐	☐	☐	☐
Vitamin Supplements	Multivitamin	☐	☐	☐	☐
	Antioxidant Formula	☐	☐	☐	☐
CNS Drugs	Phenobarbital	☐	☐	☐	☐
	Phenytoin	☐	☐	☐	☐
	Propofol	☐	☐	☐	☐
Other Medications	Clofibrate (Lipofen)	☐	☐	☐	☐
	Azathioprine (Imuran)	☐	☐	☐	☐
	Antithyroid Medication	☐	☐	☐	☐
	Carbamazepine (Tegretol)	☐	☐	☐	☐
	Dicloxacillin	☐	☐	☐	☐
	Haloperidol	☐	☐	☐	☐
	Oral Contraceptives	☐	☐	☐	☐

Section 3: Nurses' Knowledge about Warfarin–Food and Beverage Interactions

Instructions: Please indicate how each of the following food items affects warfarin anticoagulation by selecting one response option for each.

No.	Food/Beverage	Enhance	Inhibit	No Effect	I Don't Know
1	Carrots	☐	☐	☐	☐
2	Cabbage	☐	☐	☐	☐
3	Parsley	☐	☐	☐	☐
4	Lettuce	☐	☐	☐	☐
5	Green Tea	☐	☐	☐	☐
6	Black Tea	☐	☐	☐	☐
7	Orange Juice	☐	☐	☐	☐
8	Cola	☐	☐	☐	☐
9	Rice	☐	☐	☐	☐
10	Grapefruit Juice	☐	☐	☐	☐
11	Spinach	☐	☐	☐	☐
12	Tomato	☐	☐	☐	☐
13	Potato	☐	☐	☐	☐
14	Dairy Products	☐	☐	☐	☐
15	Meat	☐	☐	☐	☐
16	Fish	☐	☐	☐	☐
17	Poultry	☐	☐	☐	☐
18	Fats	☐	☐	☐	☐

Section 4: Nurses' Knowledge of Patient Counseling on Warfarin Management

Instructions: For each question, please select the option that best reflects your knowledge or belief. Only one response per question is allowed.

- When a patient is taking warfarin, how should they manage eating spinach?**
 - ☐ Avoid eating spinach completely
 - ☐ Eat spinach only once a month
 - ☐ Eat as much spinach as they want, whenever they want
 - ☐ Eat spinach regularly, but in the same consistent amount each week
- What effect does alcohol have on a patient's INR when taking warfarin?**
 - ☐ It decreases INR
 - ☐ It increases INR
 - ☐ It has no effect on warfarin
- What is the best time of day for a patient to take warfarin?**
 - ☐ At lunchtime
 - ☐ In the evening
 - ☐ In the morning before breakfast
 - ☐ Any time of day

4. **How often should a PT/INR blood test be done once a patient's warfarin dose is stable?**
- ☐ Once a year
 - ☐ Every 3 months
 - ☐ At least once every 4 weeks
 - ☐ It doesn't need to be checked once the dose is stable
5. **What should a patient do if they forget to take their warfarin dose in the evening?**
- ☐ Skip the missed dose
 - ☐ Take the missed dose immediately
 - ☐ Take two doses of warfarin the next evening
 - ☐ Take half of the missed dose right now
6. **How long does it take for warfarin to completely leave the system once stopped?**
- ☐ 5 hours
 - ☐ 5 days
 - ☐ 5 weeks
 - ☐ 5 months
7. **How long will a patient typically need to stay on warfarin?**
- ☐ 1 year
 - ☐ 1 month
 - ☐ It depends on individual needs
 - ☐ For the rest of their life
8. **What advice should be given to a pregnant woman regarding warfarin use?**
- ☐ She should not take warfarin
 - ☐ Warfarin is safe during the second and third trimesters
 - ☐ She can take warfarin every other day
 - ☐ Pregnancy reduces the need for warfarin
9. **How does fish oil affect a patient's INR while on warfarin?**
- ☐ It enhances the INR
 - ☐ It inhibits the INR
 - ☐ It has no effect on INR
 - ☐ Don't know
10. **Which food item should patients be cautious of while on warfarin due to its high vitamin K content?**
- ☐ Broccoli
 - ☐ Apples
 - ☐ Chicken
 - ☐ Cheese

11. **Which over-the-counter pain medication is safest for patients on warfarin?**
- ☐ Ibuprofen
 - ☐ Acetaminophen
 - ☐ Aspirin
 - ☐ Any over-the-counter medication
12. **How does green tea interact with warfarin?**
- ☐ It increases the effect of warfarin
 - ☐ It decreases the effect of warfarin
 - ☐ It has no effect on warfarin
 - ☐ It increases the risk of bleeding
13. **What should a patient do if they are prescribed antibiotics while taking warfarin?**
- ☐ Stop taking warfarin
 - ☐ Monitor their INR more frequently
 - ☐ Increase their warfarin dose
 - ☐ No action is needed
14. **Which vitamin should patients be most careful about while on warfarin?**
- ☐ Vitamin A
 - ☐ Vitamin D
 - ☐ Vitamin K
 - ☐ Vitamin C
15. **Which substance can increase the risk of bleeding when taken with warfarin?**
- ☐ Fish oil
 - ☐ Calcium supplements
 - ☐ Multivitamins without vitamin K
 - ☐ Caffeine