**Cancer in Non-Smokers: Who, What, Why and How to Treat**

**Technicians Post-test questions**

**Pharmacy Technician learning objectives:**

1. List the basic characteristics of NSCLC in nonsmokers
2. Recall oral TKIs used in EGFR mutation positive NSCLC
3. Identify when to refer patients to the pharmacists for recommendations or referrals
4. **In which geographic area are female never-smokers most likely to develop NSCLC?**

A. East Asia

B. Europe

C. United States

1. **Gefitinib is a**

A. First generation TKI

B. Second generation TKI

C. Third generation TKI

1. **Mr. Sawyer is at your pharmacy to pick up his specialty medication erlotinib. He says he has had wicked reflux lately, and asks where he can find the acid-reducing medications. What should you do?**

A. Refer him to Aisle 7 for antacids

B. Refer him to the pharmacist

C. Tell him to purchase a PPI

1. **What kind of TKI is osimertinib?**

A. First generation TKI

B. Second generation TKI

C. Third generation TKI

1. **The most common side effect with oral TKIs are**

A. Interstitial lung disease

B. Skin reactions

C. Ocular side effects

1. **Mr. Sawyer calls the pharmacy a few weeks later. He is concerned about his nails. They appear discolored. You should**

A. Suggest he use clotrimazole cream for nail fungus, and tell him it’s inexpensive

B. Ask him to call his doctor’s office, as this is a “red flag” indicating serious problems

C. Ask him to hold so the pharmacist can speak with him about this known adverse reaction

1. **If a patient is taking erlotinib and is a current smoker, how does smoking affect erlotinib’s plasma concentrations?**

A. Decreases erlotinib plasma concentrations

B. Increases erlotinib plasma concentrations

C. No changes in erlotinib plasma concentration

1. **Which of the following TKI-induced side effects can be treated with loperamide?**

A. Diarrhea

B. Skin reactions

C. Ocular side effects

1. **The genetic mutations in lung cancer between smokers and never-smokers are**

A. the same

B. irrelevant

C. different

1. **Erlotinib must be taken**

A. On an empty stomach

B. With food

C. With a high fat meal