5.4 Selection of the best option

Implementing an alert system to notify health practitioners if their patient matches key cancer symptoms will significantly streamline the work of practitioners by reducing the need for extensive testing to diagnose cancer. This system allows patients to undergo initial screenings, and if cancer is detected, it can recommend appropriate treatment methods or prompt a specialist to review the symptoms. As a result, healthcare providers can quickly identify and address potential cancer cases, enhancing the efficiency of the diagnostic process (Chieh-Liang Wu, 2021).

Furthermore, an alert system minimizes the chances of medical errors by producing clear, accurate, and legible information. This ensures that patients receive timely treatment, as practitioners will be promptly notified if a patient shows signs of cancer, enabling early intervention before the disease progresses. Additionally, this system improves the overall quality of care, reducing the likelihood of complaints related to diagnostic errors or delays, and fostering a more efficient and patient-centred approach in the organization (Chieh-Liang Wu, 2021).