



Service Priorities and Programmes
Electronic Presentations

Convention ID: 360

Submitting author: Dr Yee Na TAM

Post title: Resident, North District Hospital, NTEC

Is CT Colonography (virtual colonoscopy) a solution to the ever-lengthening patient queue for conventional colonoscopy?

Tam YN, Ho SC, Chan CC, Chan Eddy, Yu Carus, Lee SF

Department of Radiology, North District Hospital

Keywords:

CT colonoscopy

Virtural colonoscopy

waiting queue

Radiation

saftey

Introduction

Colorectal cancer is the second most common cause of cancer-related death in Hong Kong. CT Colonography or virtual colonoscopy (CTC) has evolved into an important investigative tool for the evaluation of the colon in a safe and minimally invasive way. Pressure put on clinicians by the elderly patients to investigate and establish a diagnosis in this ever-expanding cohort is tremendous. A negative CTC result eliminates the need for further investigation in these patients, many of whom are clinically unfit for more invasive investigations. President Obama of USA had chosen virtual colonoscopy in March, 2010 as the tool of investigation for his colon. Is CTC too expensive a tool for our patient? Indeed, CTC is less expensive than conventional colonoscopy!

Objectives

It will reveal the current use of CTC and compare CTC with conventional colonoscopy.

Methodology

Analysis in the CTC examination in our department. And comparsion is made with CTC and conventional colonoscopy.

Result

This presentation will reveal the current use of CTC in terms of cost , imaging tips, diagnostic yield, radiation dose, examination time (included nursing preparation time and radiographer image post processing time), requirement for hospital stay as well as patient satisfaction and safety . Comparison of CTC with conventional colonoscopy is also made. Furthermore, there will be a discussion on how CT virtual colonoscopy can shorten the unacceptably long waiting queue of conventional colonoscopy.