

8th Euro Global Summit on Cancer Therapy

November 03-05, 2015 Valencia, Spain

Multi-detector computed tomography (MDCT) evaluation of twenty-two cases with synchronous primary solid double malignancies

Adel El-Badrawy

Mansoura University, Egypt

Purpose: To review the multi detector CT findings of twenty two cases with synchronous primary solid double malignancies.

Material & Methods: This retrospective study included twenty-two patients confirmed with diagnosis of synchronous primary solid double malignancies. They were 12 women and 10 men with age ranging from 52–70 years. CT scanning was performed on one of the two systems (Brilliance 64; Philips) in 14 patients and (Emotion6, Siemens) in 8 patients. All twenty two patients underwent pathological evaluation.

Results: Hepato-cellular carcinoma was detected in 11 patients. Non Hodgkin lymphoma was detected in 6 patients. Thyroid carcinoma was detected in 5 patients. Bronchogenic carcinoma was detected in 4 patients. Prostatic and renal carcinomas were detected in 3 patients. Hodgkin lymphoma, endometrial, ovarian and colonic and breast carcinomas were detected in each 2 patients. Uterine cervical carcinoma and cholangiocarcinoma were detected in each one patient. Regional metastatic lymphadenopathy was detected in 5 patients. Haematogenous metastatic was detected in 6 patients. Peritoneal spread was detected in one patient.

Conclusion: MDCT scanning is accurately imaging modality for evaluation of synchronous primary solid double malignancies. It has proven to be the superior imaging technique when identifying tumor size, internal architecture, organ of origin, tissue invasion, vascular encasement, calcifications and metastases.

Clinical application: More reports and accumulation of such cases should help to clarify the mechanisms, contribute to a further understanding of this phenomenon and may lead to a new treatment strategy for synchronous primary solid double malignancies.

Biography

Adel El-Badrawy is a Professor of Radiology, Faculty of Medicine, Mansoura University. He is also a Consultant of Interventional Radiology at Oncology center, Mansoura University. He is the Member of the Egyptian Society of Radiology, the Egyptian Society of Interventional Radiology, ESR (European Society of Radiology), ILCA (International Liver Cancer Association) and a Reviewer of *European Journal of Radiology*, *Acta Radiologica*, *Canadian Association of Radiologists Journal*, *Egyptian Journal of Radiology and Nuclear Medicine*.

adelelbadrawy@hotmail.com

Notes: