

Metastatic Collision Tumour of Lobular Breast Carcinoma and Adenocarcinoma of Colon within Same Lymph Node

Introduction

Collision tumour is defined as presence of two histologically distinct tumour present within the same organ. Its occurrence is extremely rare especially one involving two cancers metastasizing to one lymph node.

Case report

A 74 year old lady with previous history of treated left lobular breast carcinoma and right mixed ductal (14 year) and lobular carcinoma(1 year) presented abdominal pain and palpable mass at upper right quadrant. Further investigation showed that she had moderately differentiated adenocarcinoma of proximal ascending colon. She proceeded with right hemicolectomy and histology of specimen indicated there is three mesenteric lymph node containing both lobular cancer cell of breast and colonic carcinoma.

Treatment received to date and implication of finding.

The patient proceeded to have palliative capecitabine chemotherapy for advanced colonic cancer. Because of the finding of the lobular cell in the mesenteric node, her breast cancer was upstaged to M1 and she will be considered for palliative chemotherapy targeted to metastatic lobular breast cell(has not been started yet)

Metastatic collision tumours in same node in literature

- Rectal – Prostate
- Colon – Prostate
- Oral SCC – Papillary Thyroid
- Breast – Ovarian
- Breast - Thyroid
- Urothelial – Prostate
- Medullary – papillary thyroid

Conclusion

Metastatic Collision tumour in same is extremely rare. The main implication of this phenomenon is change in staging of one of the cancer involved.

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