Introduction:

Diffuse Large B cell Lymphoma is a type of Non Hodgkins Lymphoma with an aggressive behavior. Although it is common for NHL to involve the kidney in its advanced stages, disease that primarily originates from the kidney is rare and therefore poses a diagnostic challenge.

We present a case of NHL that was initially thought to be Renal Cell Carcinoma but later confirmed histologically to be diffuse large B cell Lymphoma. The patient was kept on CHOP but on day five of the treatment he succumbed.

Case presentation:

A 60 years old male presented with gradual onset of right flank pain for six months that was associated with lower back pain, generalized body malaise and significant unintentional weight loss.

On HPE the morphology showed diffuse effacement of the architecture with infiltration by monomorphic population of abnormal lymphoid cells in diffuse sheets. These cells had high nuclear/cytoplasmic ratio, coarse chromatin and inconspicuous cytoplasm. On IHC the malignant cells are positive for CD20, CD10, KI67 and BCL6. The malignant cells were negative for CD3, BCL2, CD5. Hence the diagnosis of High Grade Non Hodgkins Lymphoma B cell type was made

Discussion:

Primary Non Hodgkin's lymphoma in the kidney is rare and mimics renal cell carcinoma.

a type of the latter with an aggressive behavior. Although it is common for [NHL](https://www.sciencedirect.com/topics/medicine-and-dentistry/non-hodgkin-lymphoma) to involve the kidney in its advanced stages, disease that primarily originates from the kidney is rare and therefore poses a diagnostic challenge. We presented a case of NHL that was initially thought to be [Renal Cell Carcinoma](https://www.sciencedirect.com/topics/medicine-and-dentistry/clear-cell-renal-cell-carcinoma) (RCC) but later confirmed histologically to be diffuse large B cell Lymphoma. The patient was kept on [doxorubicin](https://www.sciencedirect.com/topics/medicine-and-dentistry/doxorubicin), [cyclophosphamide](https://www.sciencedirect.com/topics/medicine-and-dentistry/cyclophosphamide) and [dexamethasone](https://www.sciencedirect.com/topics/medicine-and-dentistry/dexamethasone). However, on day five of the treatment he succumbed.