

# Review of: "[Case Report] Clear Cell Carcinoma of the Ovary with Disseminated Intravascular Coagulation and Haemoperitoneum with Tumour Perforation"

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Potential competing interests: No potential competing interests to declare.

I got a Manuscript on review, entitled „Clear Cell Carcinoma of the Ovary with Disseminated Intravascular Coagulation and Haemoperitoneum with Tumour Perforation“.

It is a very interesting topic and case that describes one rare histology type of ovarian cancer which has specific genetics and prognostic characteristics.

Ovarian epithelial cancer should be signed as „ovarian cancer“ only. Epithelial is pleonasm in English terminology.

Endometriosis is not a complication of clear cell cancer (CCC). It is a disorder associated with CCC and in studies reported as a predictive lesion for CCC development.

You said „*After the surgical resection, the platelet count increased, and the DIC resolved, indicating that the ovarian tumour triggered the DIC.* „

Does this mean that DIC appeared after CCC was removed? Not synchronous with CCC development? Is this paraneoplastic syndrome or how you described this association? You should report more about this. You should better describe and emphasize the association between DIC and CCC. More papers, more research, and more significant facts. Your paper is based on this connection.

**„Figure 3. Histopathology of the tumour with haematoxylin and eosin stain showing papillaroid (blue arrow) structures lined by cells with clear cytoplasm (black arrows) and hobnail cells (green arrows). „**

- Papillaroid structures should be replaced with a papillary pattern of tumor growth. The tumor is consistent with clear cell neoplastic cells which somewhere have a hobnail look.

You need better revision from your pathologist.

„*The lining of the ovaries and the fallopian tubes, known as the coelomic epithelium, is assumed to be the source of epithelial ovarian cancer.* „ - Mullerian epithel type. This sentence is not correct because it is related mostly to high-grade serous cancer...Different histology types have various hypotheses about their origin.

„*Acute DIC with intra-tumoral bleeding into a mixed serous papillary and endometrioid well-differentiated adenocarcinoma of the ovary has been reported* „

-serous papillary is the wrong description. Serous morphology could be high or low grade...You should not use this in this manner. The same is true with „mucinous cystadenocarcinoma „ - mucinous adenocarcinoma.

This manuscript required major revision. The text should be better organized, with adequate subheadings. Language editing is needed.

After wide corrections Manuscript could be adequate because it described an interesting association between rare CCC and significant systemic conditions such as DIC.