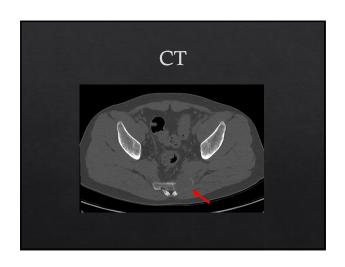


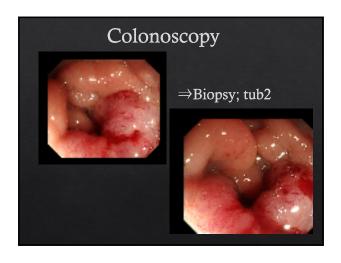
♦Present history

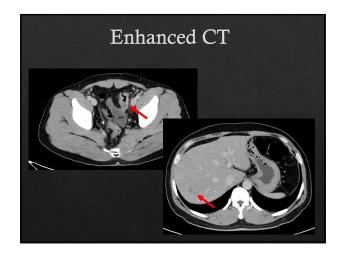
A patient visited a local clinic because of the complaint of buttock pain in October 2016. X-ray did not show any apparent abnormalities, he was advised to have regular follow up session.

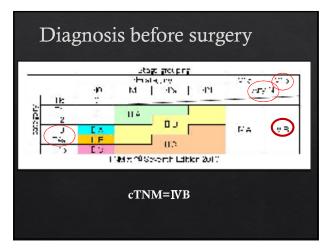
However, he visited to our hospital with continuous pain.

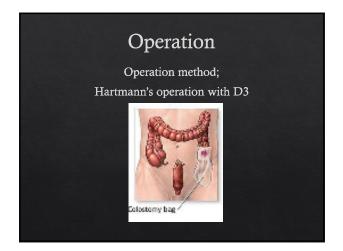


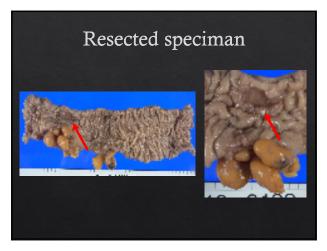
| Laboratory data | | | | | | | | | |
|-----------------|------|-------------|-----|--------------|--|--|--|--|--|
| СВС | | biochemical | | Tumor marker | | | | | |
| WBC | 6900 | LDH | 399 | | | | | | |
| RBC | 504 | AST | 101 | | | | | | |
| Hb | 14.9 | ALT | 175 | | | | | | |
| P1t | 26.9 | ALP | 379 | | | | | | |
| | | γGTP | 115 | | | | | | |
| | | | | | | | | | |

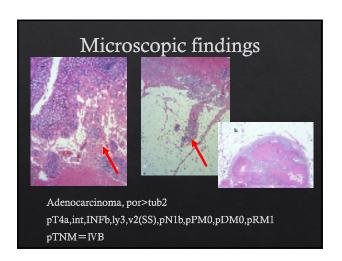






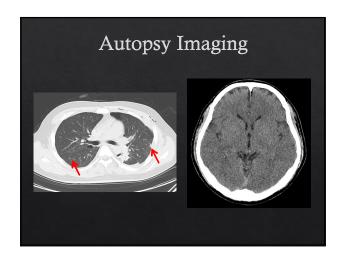


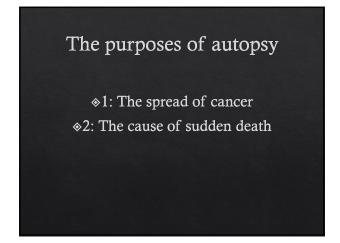




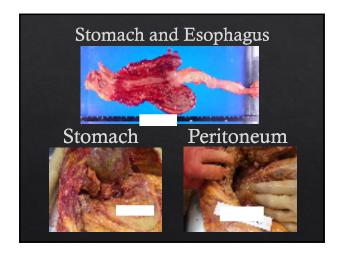
Postoperetive course Chemotherapy (FOLFOX) and radiation therapy to brane and orbital metastasis started from POD17. At 0:25 on POD21, 4th day of the chemotherapy, a nurse heard the sound of falling. She found the patient in an unconscious state. CPR immediately started but ECG kept recording PEA. His death was confirmed at 2:16.

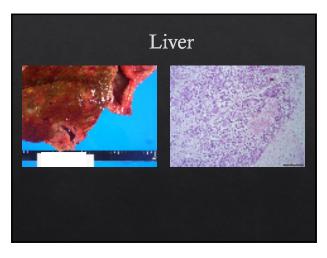
| Laboratory data | | | | | | | | |
|-----------------|-------|-------------|------|-------------|--|--|--|--|
| СВС | | biochemical | | coagulation | | | | |
| WBC | 15100 | LDH | 2457 | | | | | |
| RBC | 508 | AST | 99 | | | | | |
| Hb | 14.0 | ALT | 53 | | | | | |
| Plt | 22.4 | ALP | 988 | | | | | |
| | | γGTP | 94 | | | | | |
| | | CK | 94 | | | | | |
| | | BS | 90 | | | | | |

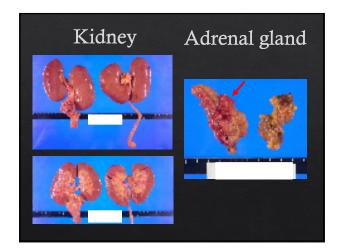


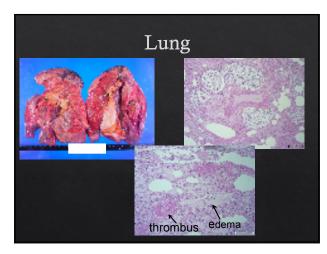


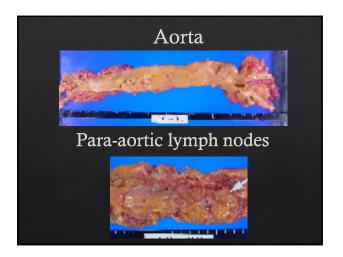


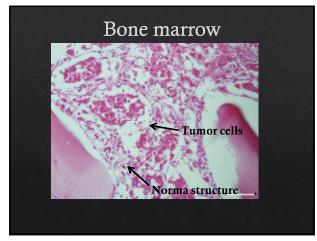




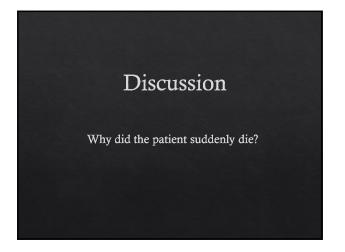


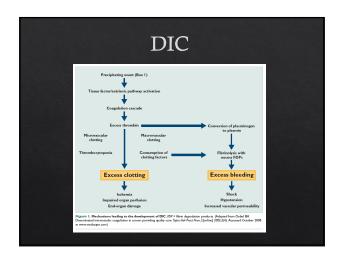


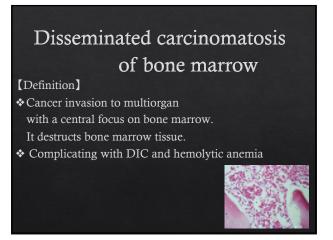




Diagnosis by autopsy * Major lesions 1. Sigmoid colon cancer after Hartmann's operation, chemotherapy and whole-brain radiation StageIVB *poor differentiated adenocarcinoma <range of metastases> liver, right adrenal gland, both lungs, peritonea and lymph nodes(left hilar, para-aorta, around the esophagus 2.DIC * Minor lesions 1. Pulmonary congestion 2. Renal tubular necrosis







Trousseau syndrome [Definition] one type of brain infarction Chronic disseminated intravascular coagulopathy associated with microangiopathy, verrucous endocardis, and arterial emboli in patients with cancer, often occurring with mucin-positive carcinomas.

After the patient's condition suddenly changed, blood tests, autopsy imaging and autopsy were performed.

We could find only sign of DIC.

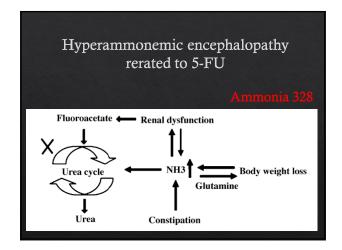
Once any types of coagulation disorder occur, the patient often gets to into fatal condition.

We have to immediately read signs of DIC

and respond to it.

Frequent blood tests including coagulation system are necessary.

| tumor lysis syndrome | | | | | | | | |
|----------------------|-------------|-----------------|----------------------|-------------|-------------|--|--|--|
| СВС | | biochemical | | coagulation | | | | |
| WBC | 15100 | | | PT-INR | 1.76 | | | |
| RBC Hb | 508 14.0 | NA K | 126 6.1 | APTT FDP | 52.6 406 | | | |
| Plt | 22.4 | C1 | 95 | D-dimer | 138 | | | |
| | | Ca P | 9.0 11.3 | Fib | 162 | | | |
| | | BUN Cr UA | 35.7 1.17 10.4 | | | | | |



Conclusion

We experienced the sudden death after Hartmann's operation, chemotherapy and radiation therapy to sigmoid colon cancer (stage $\overline{\text{IVB}}$).

We have to immediately read signs of coagulation disorder, tumor lysis syndrome and hyperammonemia.

Frequent blood tests before and after invasive treatment are necessary.

Reference

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- $2. To moyuki\ Momma:\ A\ case\ of\ trousseau's\ syndrome\ caused\ by\ colon\ cancer\ with\ liver\ metastases\ during\ chemotherapy$
- 3.Yasushi Koishi: usuful anticoagulation therapy with heparin for trousseau's syndrome in a terminally ill patient with rectal cancer
- 4.Makoto Kosuge: A case of poorly differentiated adenocarcinoma of the transverse colon in which mtx/5-fu therapy was effective for disseminated intravascular coagulation syndrome due to carcinomatosis of bone marrow
- $5. Kazuhiko\ uefuji:\ Oxaliplatin/5-fluorouracil/leucovorin\ treatment\ in\ sigmoid\ colon\ cancer\ involving\ acute\ disseminated\ intravascular\ coagulation$
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- 7.Takayuki Tajima: Acase of poorly differentiated carcinoma of the ascending colon with rapid postoperative progression suggesting disseminated carcinomatosis of the bone marrow