

Session II

A Case of Recurred Sigmoid Colon Cancer with Multiple Metastasis including Scrotum

GS Lim, MS Ha, SY Ryu, SY Seo, SH Kim, IH Kim, SW Kim, SO Lee, ST Lee

*Division of Gastroenterology, Department of Internal Medicine, Chonbuk National University
College of Medicine, Jeonju, Korea*

1. Case presentation

구불결장암의 재발 소견을 보여 항암 치료를 받고 있는 51세 남자 환자가 한 달 전부터 발생한 하복부 및 음낭 부위의 피부병변을 주소로 내원하였다. 병변은 사마귀양 모양을 하고 있었으며, 복부 전산화단층촬영 및 피부과 협진 상에서 피부로의 전이 의심되어 조직검사를 진행하였다.

2. Diagnosis

조직 검체는 보통의 adenocarcinoma와는 달리 gland를 이루지 않고 분화가 좋지 않은 tumor cell 들이 nest 를 이루고 있었으며, nuclear pleomorphism을 확인할 수 있었다. 고배율에서 원발암과 비슷한 tumor cell 들이 관찰되는 것으로 보아 metastasis로 확인하였다.

3. Therapy and Clinical course

3rd line 치료로 xeloda를 사용하고 있는 중에 skin metastasis 및 타 장기로의 전이가 진행되어 더 이상의 치료는 무의미하다고 판단되어 보존적 치료 중에 있다.

Conclusion

내부 장기의 악성 종양이 scrotum으로 전이하는 경우는 매우 드문 증례로서 보고하는 바이다.

Key Words: Sigmoid colon cancer, Scrotum, Metastasis

REFERENCE

1. Brian S. Hoyt, BS, and Philip R. Cohen. Cutaneous scrotal metastasis: origin and clinical characteristics of visceral malignancies that metastasize to the scrotum. International Journal of Dermatology 2013;52:398-405.

Case 55/Male

Chief complaint

Skin lesion at lower abdominal pain, scrotum **O: 4 weeks ago**

Present Illness

에스겔장암으로 수술, 항암치료 후에 재발 소견 보여 추가 항암치료 및 방사선 치료 받은 자로 한달 전부터 발생한 하복부 및 음낭 부위의 사마귀양의 피부 병변 관찰되어 내원함.

Social History

Alcohol (-)

Smoking (-)

Past History

2017.02.06 Sigmoid colon cancer with bladder invasion
s/p AR with partial cystectomy
- Stage III (pT4bN2aM0)

2017.02.17 Bladder rupture s/p bladder rupture repair

2017.03 - 05 FOLFOX #6 (for adjuvant CTx.)

2017.05 APCT

Seeding nodule at upper area of midline incision site
(1.3 cm, heterogeneous enhancing nodule)

2017.06 PET/CT

Recurred mass in abdominal wall & bladder wall
Multiple LNs metastasis in mesentery, Lt common & external
iliac, & inguinal area

Past History

2017.06 - 2018.10 FOLFIRI + avastin (bevacizumab) #27

2018.11 APCT

Suggestive of multiple LN metastases in both pelvic lateral,
Rt. external iliac, both inguinal area

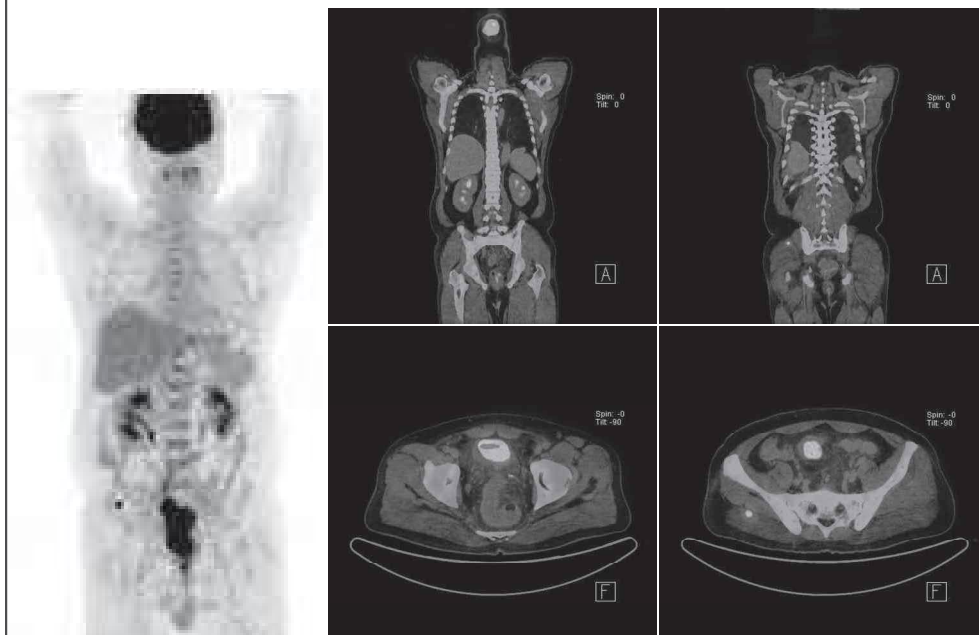
2018.11 - 12 Xeloda (capecitabine) #3

2019.01 APCT

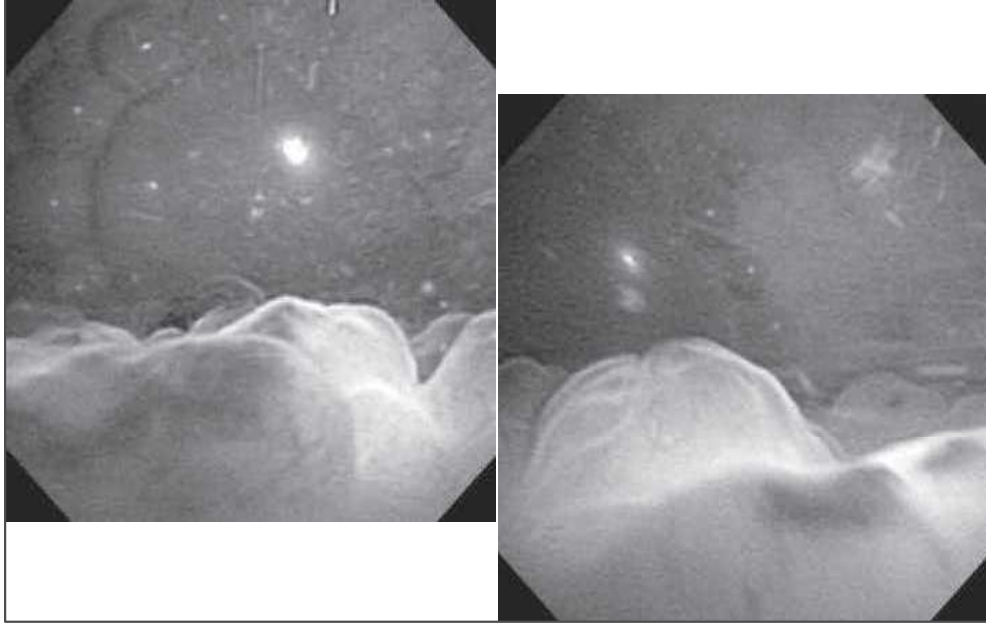
Known multiple lymph node metastasis
- increased size of inguinal lymph nodes
- decreased size of external iliac lymph nodes

2019.01 - 03 RT: 50 Gy/25 fx (target: inguinal, external iliac LN)

진단 당시 PET/CT



진단 당시 Cystoscopy



Review of system

- General weakness(+)
- Abdomen pain (+, lower abdomen)
- Scrotal pain (+)



Physical Examination:

General appearance: chronically-ill looking appearance

Abdomen : Previous incision scar

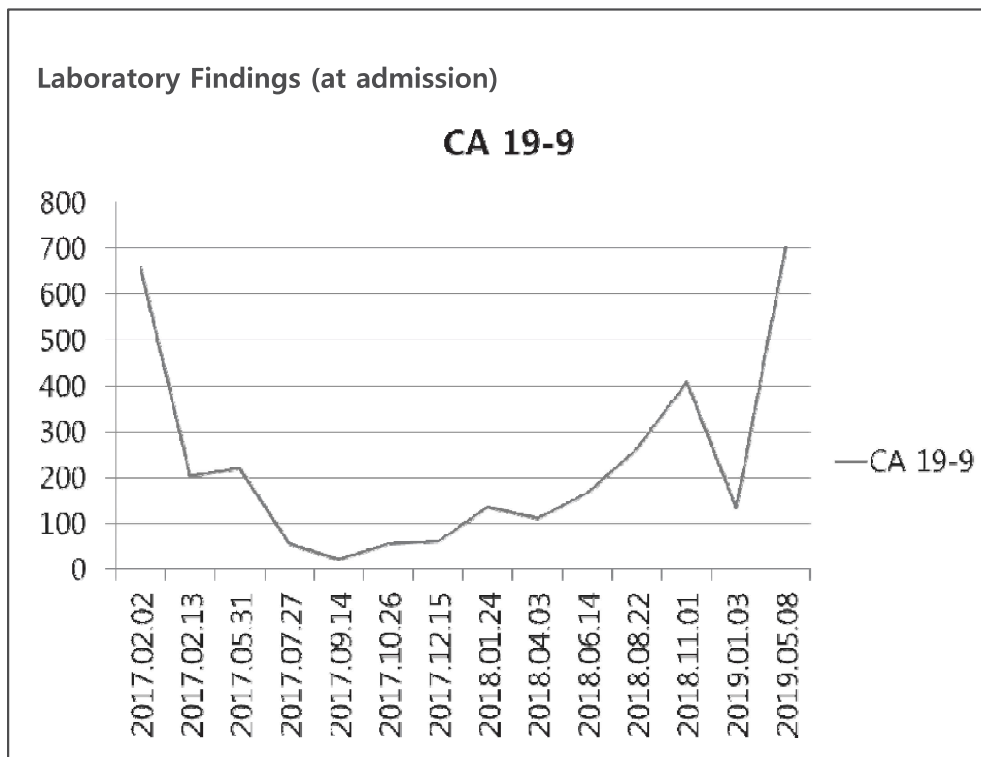
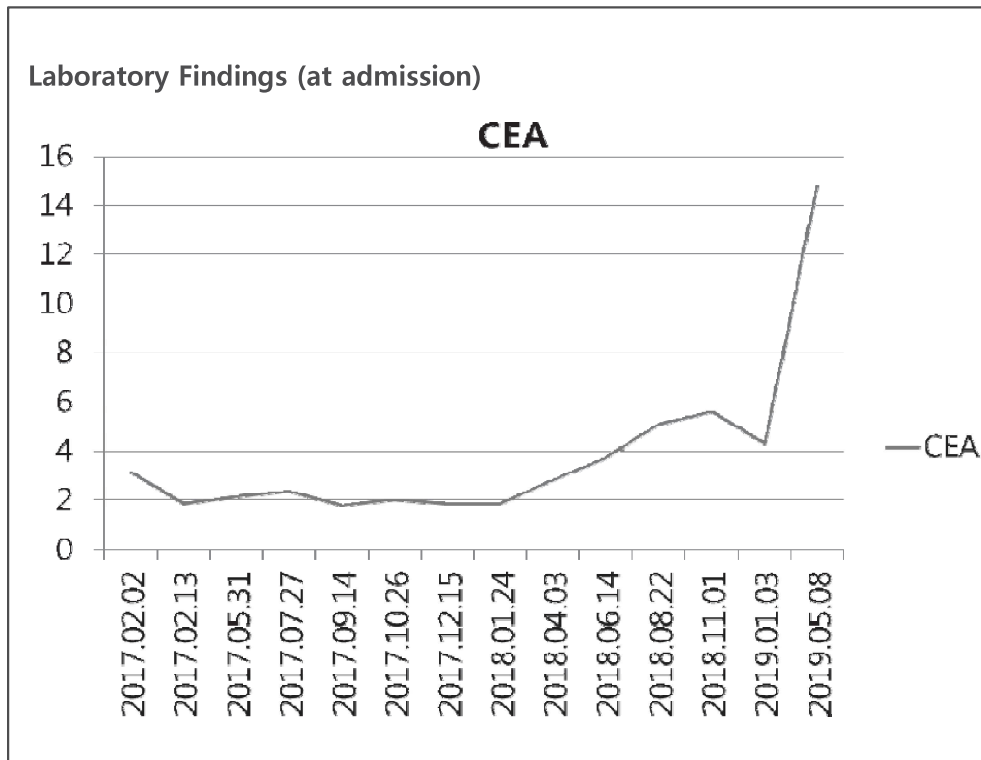
Multiple wart-like nodule & edema
(lower abdomen, scrotum)

Laboratory Findings (at admission)

WBC ($\times 10^3/\mu\ell$)	7.52	Specific gravity	1.096
Neutrophil (%)	69	pH	6.5
Hb (g/dl)	16.1	WBC	-
Platelet ($\times 10^3/\mu\ell$)	366	Nitrite	-
ESR (mm/hr)	25	Protein	-
hsCRP (mg/L)	12.5	RBC count	0-2
		WBC count	0-2
		Epithelial cell	0-2
		Cast	1 이하

Laboratory Findings (at admission)

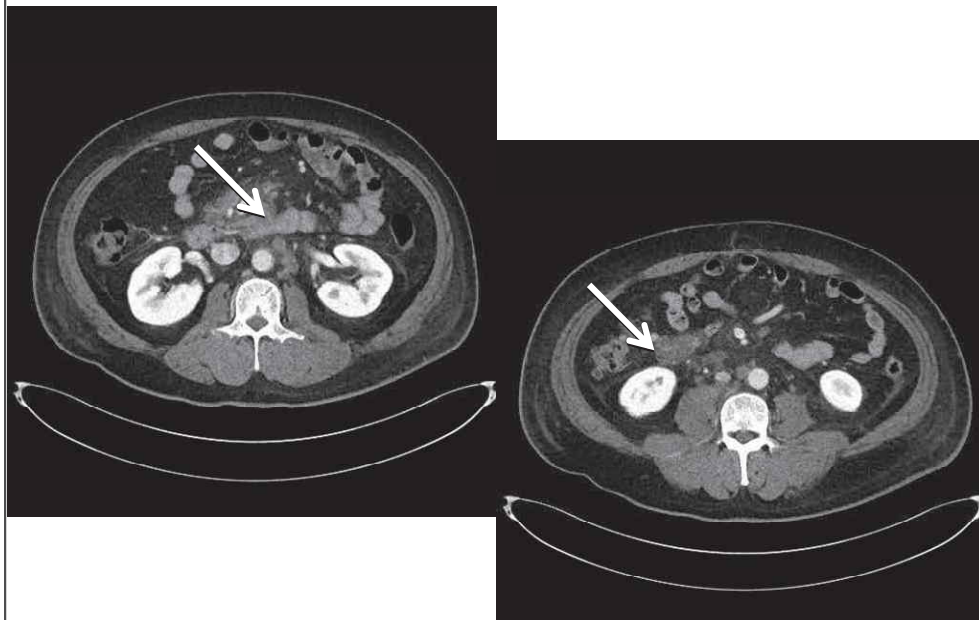
Sodium (mmol/L)	139	ALP (IU/L)	78
Potassium (mmol/L)	4.2	GGT (IU/L)	38
Chloride (mmol/L)	106	AST (IU/L)	35
Total calcium (mg/dL)	9.3	ALT (IU/L)	37
Phosphorus (mg/dL)	3.1	Total bilirubin (mg/dL)	0.68
Cystatin-C (mg/L)	0.77	Direct bilirubin (mg/dL)	0.18
BUN (mg/dL)	13	Total protein (d/dL)	6.2
Creatinine (mg/dL)	0.58	Albumin (g/dL)	4.1
GFR (mL/min/1.7)	118	LDH (IU/L)	691



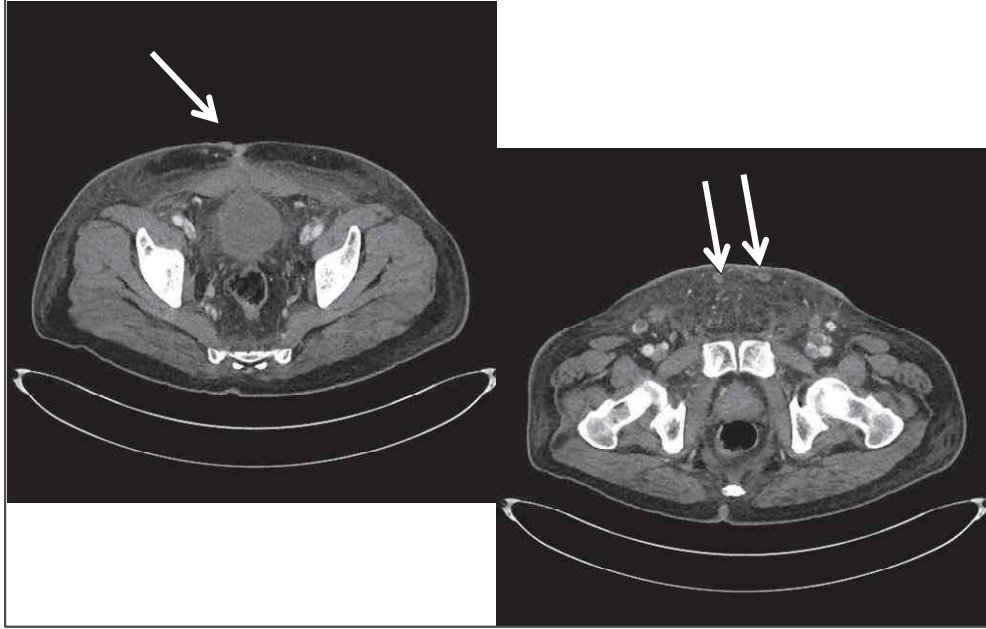
IMPRESSION

- Known sigmoid colon cancer
- r/o Wart
- r/o skin metastasis
- r/o cellulitis

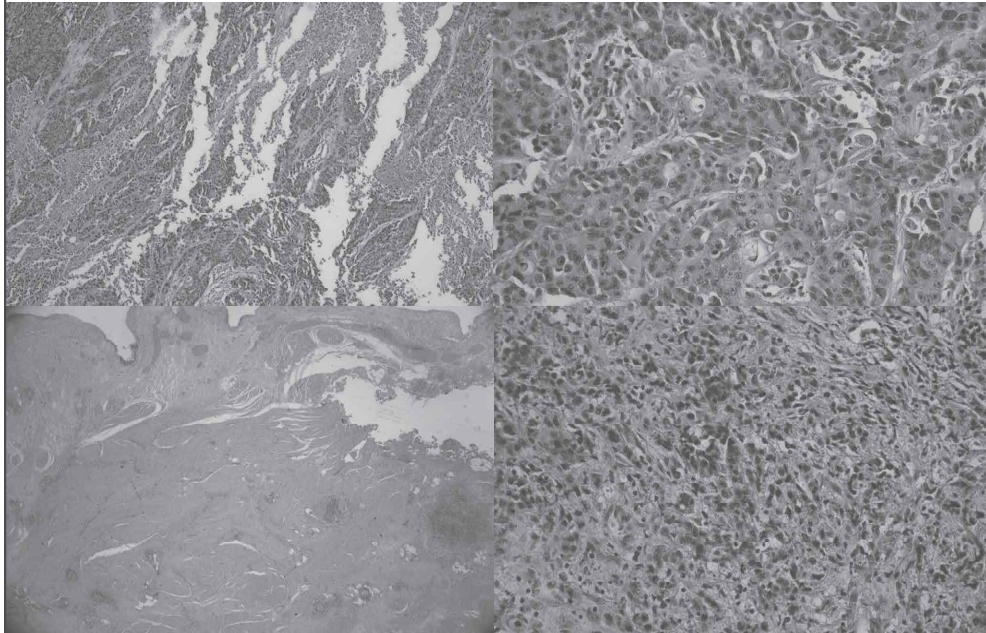
내원 당시 APCT



내원 당시 APCT



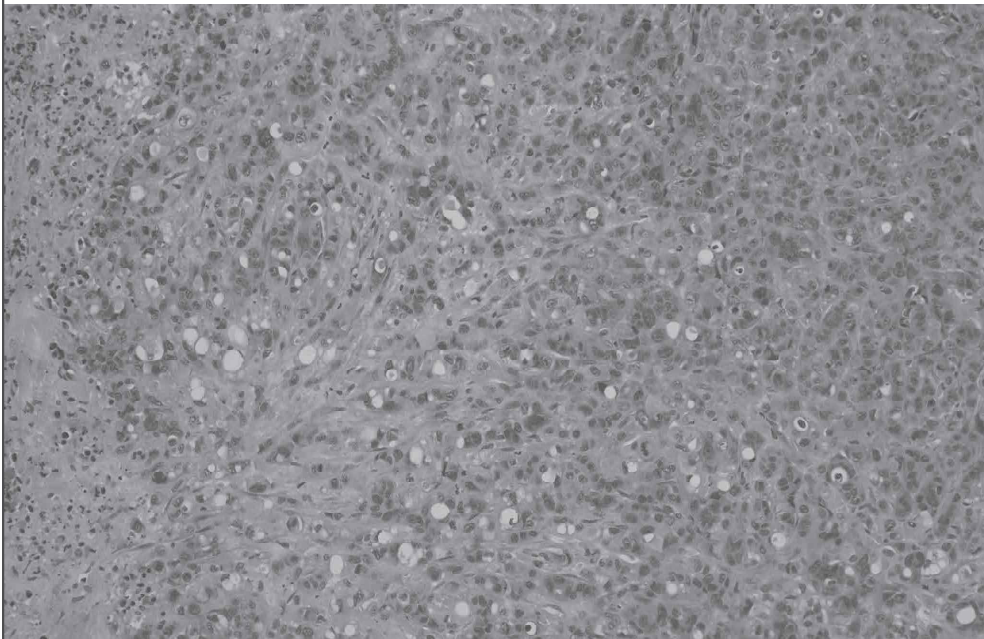
조직 슬라이드(#1)



조직 슬라이드(#2)



조직 슬라이드(#3)



Final diagnosis

- Sigmoid colon cancer with multiple metastasis
 - LN, Right renal fascia, retroperitoneum, pubic wall, scrotum

Review – Cutaneous scrotal metastasis

- Introduction
 - Scrotum, <1% of the body's total surface area
 - Rarely, solid organ tumors may metastasize to the scrotum
 - Reported in 29 men
- Morphology and symptoms
 - Variable, cutaneous nodules are most frequent manifestation
 - Some patients complained of pain

Review – Cutaneous scrotal metastasis

- Gastrointestinal origin

Case	Age	TO	Histo	Tumor morphology	Symptoms	Int dx and met (mo)	Treatment	Follow-up	Ref
1	30	CRC	Adeno	Erythematous induration, ulcerated papule/plaque	Tender, sore, heavy	24	Fluorouracil, leucovorin	?	14
2	50	CRC	Adeno	Nodule	Asymptomatic	4	?	7	15
3	60	CRC	Adeno	Nodule	?	21	?	?	16
4	65	CRC	SCC	Nodule	Painless/pruritic	5	Multiple	12 ^b	(BS Hoyt, PR Cohen, Unpublished data)
5	69	CRC	Adeno	Plaque/nodule	Asymptomatic	5	?	6	17
6	72	CRC	Adeno	Ulcerated	Painless	11	?	?	18
7	?	CRC	?	Nodule	?	PAD	?	?	19
8	21	Stomach	Adeno SRCC	Subcutaneous granules with hemorrhagic ulceration	Rapid growth	2	Anticancer drugs	6.5	20

- Second most common primary tumor site
- Occurred rapidly after the diagnosis of primary malignancy (median 5 months)
- Prognosis : poor

- Treatment

- Cutaneous metastasis to the scrotum is grave prognostic sign
- Referred for palliative treatment

MEMO

MEMO