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=Abstract=

A Case of Ovarian Cancer in Patient with Dermatomyositis

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Dermatomyositis is a rare inflammatory condition of the skin and muscles which is believed to be a paraneoplastic syndrome. The annual incidence of dermatomyositis is 0.7 1/100,000 in the general population, and the association of dermatomyositis and internal malignancy has been reported to be 15-40%, in particular with bronchial cancer, breast cancer, ovarian cancer, and cancer of gastrointestinal tract.

We experienced a case of ovarian cancer accompanying acute onset-dermatomyositis in a forty eight-year-old premenopausal woman. Here we present the case with brief review of literatures.

Keywords: Dermatomyositis, Malignancy, Ovarian Cancer

.4)  
가  
가  
,  
가  
가  
,  
(paraneoplastic syndrome)  
.1)  
CA 125  
가  
.5)  
가 48 CA 125  
가  
9%, 가  
14%  
.23)  
가  
가

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 : 97 12 25  
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 가 :  
 : 97 9  
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 12  
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 ,  
 (helio-  
 trope) 가  
 (Gottron's papules)  
 ,  
 가 ,  
 : 가  
 가 , (ESR:  
 70 mm/hr) C- (CRP: 0.79 4.01 mg%)  
 가  
 AST ALT가 141 IU/L 90 IU/L 가  
 (LDH),  
 (CK) CK-MB,  
 (Myoglobin) 가 ,  
 ,  
 O(ASO) (RA factor) CA  
 125 가 500 U/mL  
 :

가 ,  
 ,  
 10 × 7 × 3 cm  
 가 ,  
 가  
 가 ,  
 가  
 MRI T2 weighted imaging  
 (Cul-de-sac)  
 (Fig 1, 2),  
 가 T2  
 weighted imaging  
 (iliopsoas muscle)  
 가

Fig. 1. T2 weighted sagittal imaging of pelvis.  
 (anterior surface) (posterior surface of fun-  
 dus),

Fig. 2. T2 weighted axial imaging of pelvis. (an-  
 terior surface)

가 , 가 , 가  
(omentum) 가 , 가  
가 , 가 .4  
, 6 , 40 ,9  
, 20 가  
, , 9%, 14%  
: .23)  
(anaplastic) , ,10) 가  
: 6 가 ,  
7 가 , 가 , 가  
가 , 가 , 가 .8)  
14 Whitmore ,  
가 ,  
CA 125  
가 ,  
,5) 40 ,11)  
(ESR)가 가  
,12) ,13)  
C- 14) 가  
0 10 0.7 1 , ,  
, 15 40% , ,  
.7)  
, 가 , 가  
, , CA 125  
, ,  
가 3 6  
.8) ,10) CA 125가  
가 1 ,15)  
가 , 48 3

## - References -

1. Sigurgeirsson B, Lindelof B, Edhag O et al: Risk of cancer in patients with dermatomyositis or polymyositis. A population-based study. *N Engl J Med* 1992;326:645-53.
2. Barnes BE: Dermatomyositis and female malignancy. *Ann Intern Med* 1976;84:68-76.
3. Verducci MA, Malkasian GD, Freedman SJ et al: Gynecologic carcinoma associated with dermatomyositis-polymyositis. *Obstet Gynecol* 1984;614:695-8.
4. Bernard P, Bonnetblanc JM: Dermatomyositis and Malignancy. *J Invest Dermatol* 1993;100:128S-32S.
5. Whitmore SE, Anhalt GJ, Provost TT et al: Serum CA-125 screening for ovarian cancer in patients with dermatomyositis. *Gynecol Oncol* 1997;65:241-4.
6. Bohan A, Peter JB: Polymyositis and dermatomyositis. *N Engl J Med* 1975;292:345-7.
7. Roselino AMF, Souza CS, Andrade JM et al: Dermatomyositis and acquired ichthyosis as paraneoplastic manifestation of ovarian tumor. *Int J Dermatol* 1997;36:611-4.
8. Dalakas MC: Polymyositis, dermatomyositis, and inclusion-body myositis. *N Engl J Med* 1991;325:1487-98.
9. Airio A, Pukkala E, Isomaki H: Elevated cancer incidence in patients with dermatomyositis: A population based study. *J Rheumatol* 1995;22:1300-3.
10. Cherin P, Piette JC, Herson S et al: Dermatomyositis and ovarian cancer: A report of 7 cases and literature review. *J Rheumatol* 1993;20:1897-9.
11. Cox NH, Lawrence CM, Langtry JAA et al: Dermatomyositis; disease association and an evaluation of screening investigations for malignancy. *Arch Dermatol* 1990;126:61-5.
12. Basset-Seguin N, Gherardi R, Guillaume JC et al: Prognostic factors and predictive signs of malignancy in adult dermatomyositis. *Arch Dermatol* 1990;126:633-7.
13. Rose C, Hatron PY, Brouillard M: Predictive signs of cancers in dermatomyositis. *Rev Med Int* 1994;15:19-24.
14. Bonnetblanc JM, Bernard P, Fayol J: Dermatomyositis and malignancy; a multicenter cooperative study. *Dermatologica* 1990;180:212-6.
15. Whitmore SM, Rosenshein NB, Provost TT: Ovarian cancer in patients with Dermato-myositis. *Medicine* 1994;73:153-60.