

경부악하삼각부에서 발생한 스파르가눔증(Sparganosis) 1예

김형중 · 박상현 · 염동진 · 심봉택

A Case of Sparganosis in the Submandibular Triangle

Hyung Joong Kim, MD, Sang Hyun Park, MD, Dong Jin Yum, MD and Bong Taek Shim, MD

Department of Otorhinolaryngology, Seoul Veterans Hospital, Seoul, Korea

-ABSTRACT-

Sparganosis is caused by tapeworm larva of the genus Spirometra, which commonly invades the subcutaneous tissue, and less frequently invades the abdominal wall, intestine, muscle, thorax, breast, eye, brain, spinal cord, etc. Clinically and radiographically sparganosis could be confused with neoplasms it appears masses. The confirmative diagnosis of sparganosis is made by surgical removal of the worm. We experienced a rare case of living sparganosis in the submandibular triangle with a review of literatures. (J Clinical Otolaryngol 2005;16:330-333)

KEY WORDS : Sparganosis · Submandibular gland.

서론

가 .⁹⁾

가 (Sparganosis) (Spirometra) , , 가 ,
(Diphyllobothrium latum) 2 가 .
(Sparganum mansoni) .¹⁴⁾ ,
1881 Manson 가 가 .
1917 Uemura sis) 1 가 (Spargano-
).¹⁾ 가

증례

가 ,
72 가 4
5×5 cm 가
: 2005 9 21
: 2005 10 20
: , 134 - 791 6 - 2
: (02) 2225 - 1384 . : (02) 2225 - 1385 , 20
E - mail : Manselli@orgio.net . 5×5 cm

가 : 가

가 ,

(Fig. 3).

10.0×0.3

cm 가

가 (Fig. 1).

가 (Sparganosis)

(Figs. 4 and 5).

6

(Fig. 2A

and B).

고 찰

가 Spirometra diphyllobothrium sparganum Mansonii 2 plerocercoid¹⁴⁾

1 cm 70~80 cm

0.4~2 cm

가

가 가

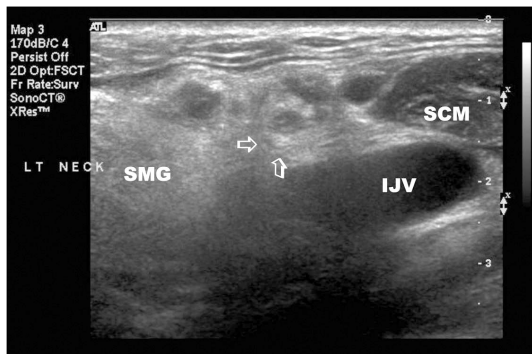


Fig. 1. Ultrasonography of neck. Linear tubular hypoechoic structure is noted in fat plane between left submandibular gland and left sternocleidomastoid muscle (white arrow).

Fig. 2. A : Contrast enhanced neck CT scans (submandibular gland level) : showing a slightly enhancing focal lesion in the left submandibular gland (white arrow) and a low density lesion in the left sternocleidomastoid muscle (black arrow head). B : Contrast enhanced neck CT (anterior commissure of thyroid cartilage level) : Low density tubular lesion is noted swollen left sternocleidomastoid muscle (white arrow).

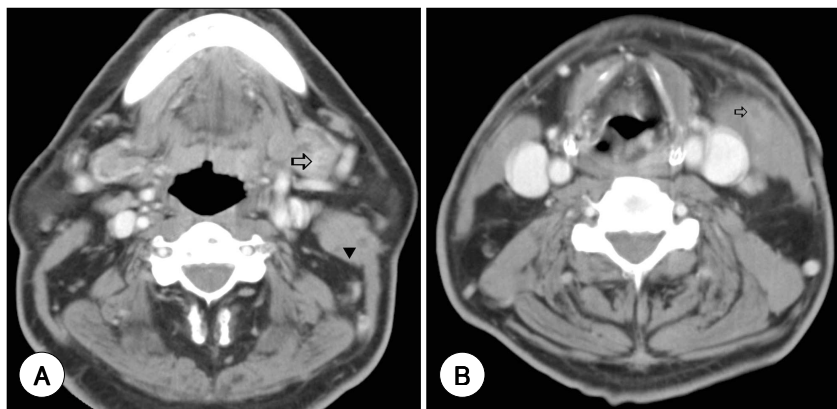




Fig. 3. An intraoperative photograph showing a mass formed by sparganum infection.

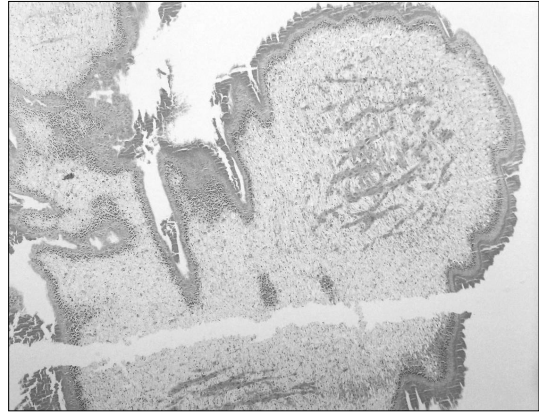


Fig. 5. A microscopic photograph showing a mature sparganum body in the mass (H & E stain x 40).

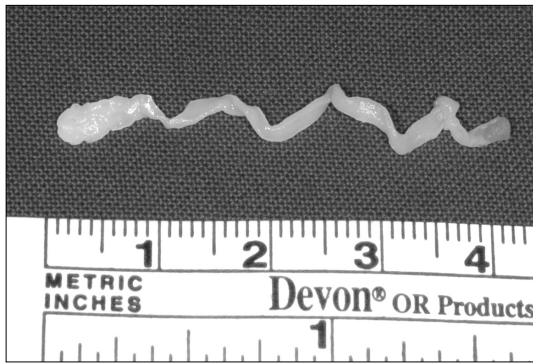


Fig. 4. A photograph showing a sparganum taken from the mass.

가
11)
(Enzyme - linked Immunosorbent
Assay ; ELISA) IgG
가 가 .³⁾
40% procaine
,⁷⁾ praziquantel mebendazole
, metronidazole arsenicals
(neo - arsprum) 가 .¹⁴⁾
72
가
(sparganum mansoni) 가 (Sparganosis)

중심 단어 : 가 .

REFERENCES

- 1) Cho SY, Bae JH, Seo BS. *Some aspect of human sparganosis in Korea, Korean J parasit* 1975;13-1:60-77.
- 2) Kang KS, Lee EU, Kang SY, Jin WJ, Lee JW, Kim JS. *One*

- Case of Sparganosis infestation of the thigh and popliteal area combined with avascular necrosis of the femoral head. J Korean Orthop Surgery 1997;32:229-35.*
- 3) Kim H, Kim SI, Cho SY. Serological diagnosis of human sparganosis by means of micro ELISA. *Korean J Parasit 1984;22:222-8.*
 - 4) Chi JG, Sung RH, Cho SY. Tissue parasitic disease in Korea. *J Med Sci 1998;3:51.*
 - 5) Cho KJ, Lee HS, Chi JG. Intramural sparganosis manifested as intestinal obstruction. *J Korean Med Sci 1987;137.*
 - 6) Cho SY, Hong ST, Rho YH, Choi S, Han YC. Application of micro-ELISA in serodiagnosis of human paragonimiasis. *Korean J Parasta 1981;19:151.*
 - 7) Cornet E. Essai de traitement de la sparganose retrobulbaire. *Bull Sac Med Chiar Indo-Chine 1933;11:452.*
 - 8) Fung CF, Thomas HK, Wong WT. sparganosis of the spinal cord. *J Neurosurgery 1989;290:290-2.*
 - 9) Igarashi T. Two case of sparganosis mansoni. Presumption of the parasitism under percardium and the movement of parasite during seven years. *Jap J Parasit 1976;25:343-9.*
 - 10) Keller M. Sur une nouvelle methode de traitement de la sparganose oculaive. *Am L'Ecole Super, De Med et Pharm de Indo-Chine 1937;1:77.*
 - 11) Moschella H. *Dermatology 3rd Edition; 1992. p.1956-7.*
 - 12) Norman SH, Kreutner A. Sparganosis clinical and pathological observation in ten cases. *Swith Med J 1980;73:297-300.*
 - 13) Shigetta A, Takashi H, Katsuyasu O. Sparganosis of the brain. *J Neurosurgery 1989;21:287.*
 - 14) Wirth WA, Forrow CC. Human sparganosis. *JAMA 1961; 177:76.*