

후각장애의 진단과 치료

홍 석 찬

Diagnosis and Treatment of the Olfactory Disturbances

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서 론 . (supporting cells)
 , (receptor cells)
 . (Bowman's glands)
 가 가 가 , (duct)
 가
 가
 가 . (gl-
 and - like invagination)
 가
 가
 가
 가 .
 , 가 가
 .
 가
 가
 가 .
 가
 가
 가 . (herpes simplex virus)
 후각장애의 원인 (influenza virus)
 (hepatitis virus)

노 령

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비부비동염

가 15% 화학적 손상
가 (benzene, menthol),
(sulfur dioxide, carbon disulfide)

가 가

두부손상 가 15% (methotrexate), (aminoglycosides, macrolides, tetracyclines), (methimazole), (opiates),
7% (sympathomimetic amines), (ci-metidine), (L - dopa)

(anosmia)

가 가
(olfactory bulb)

(fila olfactoria) (tearing)
(stretching)

1/3

수술등의 외상

(osteotomy)
(shearing)

(craniof - ioma)

acial resection)
(total laryngectomy)

내분비성-대사성 이상
(Turner's syndrome, Kallmann's syndrome), (Addison's disease)
A
B₁ (Korsakoff's syndrome), (uremia)
(olfactory sensitivity)

신경퇴행성 질환
가 가

종 양
(inverted papilloma, squamous cell carcinoma, esthesioneuroblastoma)
(meningioma, olfactory glioma)

후각장애의 진단

병력청취

가
가
가
가
(taste) (flavor) 가
가
4 (salty, sour, sweet, bitter)

이학적 검사

(head and neck examination)가
가
가
(nasal examination)가
(anterior rhinoscopy)
(allergic, atrophic, infectious, vasomotor)
(anosmia) 가
(hyposmia) 가 가
(dysosmia) factory cleft) 가
(parosmia), 가
(phantosmia) (nasal endoscopy)
(parosmia) 가
(metabolic disorder, such as trimethylaminuria)
가
가

(focal neurological findings)

후각검사

가 가 (identification) (threshold) (discrimination)

(psychophysical test)

UPSIT (University of Pennsylvania Smell Identification Test) CCCRC test(Connecticut Chemosensory Clinical Research Center test) . UP - SIT 40 microencapsulated odorants scratch and sniff (identification)

12 microencapsulated odorants CC - SIT(Cross - Cultural Smell Identification Test) . CC - CRC test olfactory threshold odor identification composite score

T & T Olfactometer Alinamin test가 . T & T Olfactometer 5 detection threshold recognition threshold

. Alinamin test Alinamin(thiamine propyldisulfide) latent time duration time

odor pen olfactory threshold, odor discrimination, odor identification composite score

KVSS Test(Korean Version of Sniffin' Sticks Test)가

(electrophysiological test)

EOG(Electroolfactogram) odorant

OEP(Olfactory Evoked Potential)

odorant

MEG(Magnetoencephalography)

방사선학적 검사

가

가

(olfactory groove meningioma), (pituitary tumors with suprasellar extension), (frontal lobe glioma), (aneurysm of the anterior cerebral or anterior communicating arteries), (other lesions of the anterior cranial fossa)

MRI

가 가

CT(CT scan of the paranasal sinuses, preferably in the coronal plane)

CT

가

(plain sinus radiograph)

CT(high-resolution CT scan)가 가

추가적 진단방법

가
 가
 B₁₂,
 (biopsy of the olfactory mucosa)
 (transmission electron microscopy)

가
 Taylor³⁵⁾
 TH 4 AC-
 Zusho⁴⁰⁾
 (topical corticosteroid therapy)
 가 1400
 (adrenocortical hormone nosedrops)
 70%

후각장애의 치료

내과적 치료

(oral corticosteroid therapy)
 (chronic rhinitis, sinusitis, nasal polyposis)
 (anti-inflammatory property) 가
 가

Scott²⁹⁾
 가 7 2
 , 1 phenylephrine hydrochloride nasal spray , 8
 , 7 5

가 (tachyphylaxis)
 Hotchkiss¹⁶⁾
 30 prednisone 70 mg 가
 Prednisone 6
 1 3 mg
 Goodsp-
 eed¹³⁾ 20 가
 1 50 mg prednisone 7
 6 가

Moffat's position (head down - forward position)
 Tarlo³⁴⁾
 Duncan Briggs³⁾ A 56
 50 vitamin A alcohol 100,000 IU per milliliter
 Henkin¹⁴⁾
 가 106 zinc sulfate (placebo)
 가 Henkin¹⁵⁾ 가
 aminophylline
 , Levy²⁴⁾ functional MRI
 theophylline

(parosmia) 가 (airway reactive disease, e.g. asthma)

(essential parosmia) 가 20 cocaine hydrochloride 4 5

Stevens Jafek³³⁾ 가

외과적 치료 가 (septoplasty)

(hyperplasia) (persistent acute sinusitis)

(frontal sinus trephination, maxillary sinus puncture) 영양학적 치료 가

(chronic sinusitis) (food flavor) (malnutrition)가

(functional endoscopic sinus surgery, FESS) 가

(ventilation) (muco-ciliary transport) Kallmann

loride zinc ch- bifrontal cr- 가 (texture) 가

anotomy 가 (,) 가

(hyperplasia) (nasal polyposis) 가

. Hotchkiss¹⁶⁾ (the amount of polyp shrinkage) 가

. Jafek²¹⁾ 가 , 가

rosmia) 가 (pa -
가
(aromatic foods)
(cold foods)
가 , 1 (recom -
mended daily allowance)
, (registered dietitian)

중심 단어 :

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