

四象醫學(Sa-sang Typology)



**Traditional medicine of Korea
Classification by four constitutional types.**

**Doctor. HAN TAE YOUNG. OMD. Korea.
Ham1sh @hanmail.net/
banronginsu oriental medicine clinic**

- *Origin of sasang typology*
- *Basic theory of sasang .*
- *Why is it important?Using medications by type's theory*
- *Auto immune disease*
- *Cancer therapy and pharmacogenomics.*
- *Herbal medication on evidence & science basis*
- *Classification of sasang*
- *Basic of Yin and Yang*
- *Lipid metabolism*
- *Hormonal therapy and osteoporosis*
- *Sasang typology and pharmacogenomics*
- *Conclusion*



경기도등학교 졸업
 서울대 인문대 동양사학과 졸업
 경희대학교 졸업
 고려대 생명과학대학원 분자유전학과 졸업
 무이(武夷)사상의학연구소 소장
 반룡인수한의원 원장

2004.8.30 의사신문의 다수 양방신문
 MSG0500 의 약성신경요종과 제발성 섬유종증에 대한효과서울대 소아암 신회영교수 발표

2010.9.11 청풍 국제 학술대회- melanoma 임상과 동물 실험발표
 Anti-tumor activity of MSB0052, a novel herbal medicine, in murine melanoma models and relations of composition changes of primo system

2010-4-30 아주대 전미선 교수 주관
 "사상의학을 기반으로한 동서의학 암 진료 협진사례분석"
 말기 췌장담낭.담도 폐암사례분석
 복지부위탁연구 한국의학연구소 아주대학교 산학협력단

2011. 10. 소아암학회지(clinical pediatric hematology-oncology volume 18. number 2.
 서울대 소아암센터 신회영교수 본원난치성소아암 임상사례 발표
 Possibility of alternative medicine in the field of pediatric hematology-oncology .
 Analysis of 7 cases of Unexpected outcome by dmodern Medicine.
 현대의학으로 설명하기 힘들었던 7 증례의 소아혈액종양질환에서 대체의학의 경험

2012.3 복지부 선도기술개발 사업 일환으로 본원 한방복합 항암제 연구시작
 항암제와 복합한약의 병행투여를 통한 암치료 최적화연구- 일산동국대 정승현교수 외. -

2012.6.13 ACOS 2012/6/13 아시아 임상암학회 - 본원약물 C2 의 악성뇌종양 치료의임상과
 stemcell 억제기전 대만과 공동연구 발표.
 Korea herbal mixture C2 suppresses the cancer stem like side population in human
 Glioblastoma cells and inhibits their stemness genes expression
**Tae-young HAN¹, Chih-jung YAO^{2,3}, Ping-hsiao SHIH³, Tsu-yi YI², Tung-yuan LAI⁴,
 Gi-ming LAI^{2,3,5}**

2012.11.12-14 **Russian academia lecture (2012/11/12-14)** 러시아아카데미 초청의 사상강좌 New
 Approaches to Diagnostics, Prevention and Treatment of the Oncology and
 Neuroendocrinal Pathology and Parkinson disease"

2014.6.19 대한암학회 제 40 차 학술대회- 본원약물의 췌장암에 대한 효과와 기전 대만공동연구 발표
 MULTIPLE MOLECULAR TARGETING ANTICANCER EFFECTS ON MIA-PACA-2 H
 UMAN PANCREATIC CANCER CELLS BY KOREAN HERBAL RECIPE A2
 Chih-Jung Yao^{1, 2}, Tae-Young Han³, Wan-Ju Chao⁴, Gi-Ming Lai^{1, 2, 4}

MULTIPLE MOLECULAR TARGETING ANTICANCER EFFECTS ON MIA-PACA-2 HUMAN PANCREATIC CANCER CELLS BY KOREAN HERBAL RECIPE A2

Chih-Jung Yao^{1, 2}, Tae-Young Han³, Wan-Ju Chao⁴, Gi-Ming Lai^{1, 2, 4}

¹Division of Hematology and Medical Oncology, Wan Fang Hospital, Taipei Medical University, Taiwan

²Comprehensive Cancer Center of Taipei Medical University, Taiwan

³Banronginsu Oriental Medicine Clinic, Korea

⁴National Institute of Cancer Research, National Health Research Institutes, Taiwan



올바른 四象醫學은 당신의 건강을 지켜 줍니다.

기업

바이오·제약

개개인에 맞춘 '1인 임상시험' 시대

박건형 기자

기사

100자평(0)

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입력 : 2015.05.22 03:04

현재 임상시험, 부작용 없다는 점에 초점 맞춰 효과 적어

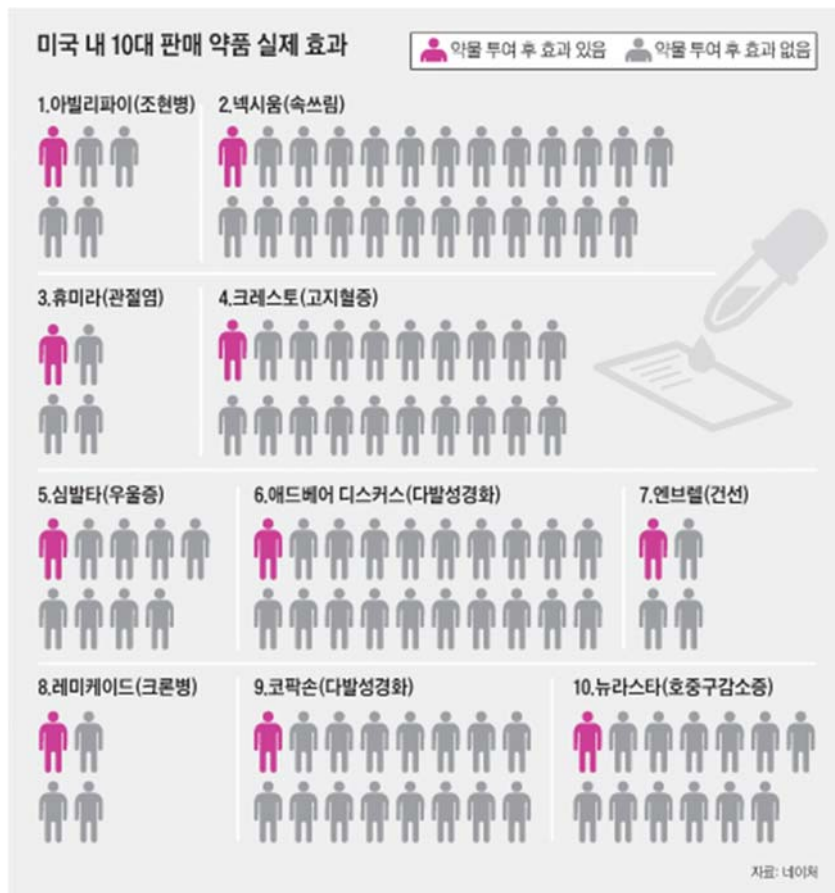
'스타틴'은 혈중 콜레스테롤 수치를 낮춰주는 약물이다. 고지혈증 치료제 90%가 스타틴 계열이다. 하지만 미국 과학자들의 조사에 따르면 실제로 스타틴 계열의 약물을 복용한 사람 중 뚜렷한 콜레스테롤 수치 저하 효과가 나타난 경우는 50명 중 1명에 불과하다. 치료 효과를 보는 사람이 극히 일부에 불과하다는 뜻이다.

과학계가 제약산업의 거품을 걷어내기 위해 나섰다. 세계적 과학저널 '네이처'는 지난달 말 '1인(人) 임상시험 시대'라는 특집기사에서 "수천명의 참가자들을 대상으로 한 임상시험을 거쳐 등장한 약물들의 효과에 의문이 제기되면서, 개개인에게 초점을 맞춘 임상시험의 시대가 열리고 있다"고 밝혔다.

네이처는 약물 효과의 문제가 스타틴 계열에서만 일어나는 일이 아니라고 지적했다. 흔히 의약품의 치료 및 예방 효과를 나타내기 위해 NNT(Number Needed to Treat 필요 치료 환자 수)라는 수치가 사용된다. NNT는 1명이 치료 효과를 보기까지 얼마나 많은 사람이 약물을 복용했는지 보여주는 숫자다. 어떤 약물의 NNT가 100이라면 10명에게 약물을 투여해야 효과를 보는 사람이 1명 나타난다는 의미다. 즉 NNT 숫자가 클수록 거품이 많다는 뜻이다. 미국에서 가장 많이 팔리는 약인 조현병(정신분열병) 치료제 '아빌리파이'의 NNT는 5다. 아빌리파이는 2013년 한 해 동안만 65억6000만달러(약 7조1800억원)어치가 팔렸다. 두 번째로 많이 팔린 속쓰림 치료제 '넥시움'은 NNT가 무려 25다.

과학계에서는 일부에게만 효과가 있는 약물이 판치는 가장 중요한 원인을 임상시험 방식에서 찾고 있다. 현재의 임상시험은 누구나 부작용이 없다는 사실을 알아내는 것이 필수이지, 누구에게나 치료 효과가 있음을 알아내는 것은 아니다. 이전보다 효과를 보는 사람이 많으면 된다. 대부분의 약물은 투여 받는 사람에 따라 효과의 차이가 있고, 부작용도 다양하게 나타난다. 현재의 임상시험은 이런 개인차를 고려하지 않는다. 미국 크레이그벤퍼 연구소의 니컬러스 쇼크 박사는 "하나의 약물이 집단 전체에 같은 효과를 보이는 경우는 거의 없다"고 밝혔다. 예를 들어 백혈병 치료제 '글리벡'은 '필라델피아 전좌'라는 염색체 이상을 보유한 환자들에게 투여하면 다른 집단보다 생존율이 두 배 이상 높아지지만 어떤 집단에서는 전혀 효과가 없다.

1인 임상시험은 이런 문제를 해결하기 위해 시도되는 방법이다. 미국 보건당국은 올해 초 "의사들이 개별 환자의 차이를 고려해야 한다"는 취지로 '정밀(精密) 의학' 연구에 2억1500만달러(약 2356억원)를 투자하겠다고 발표했다. 정밀 의학의 핵심이 바로 1인 임상시험이다. 네이처지는 "사실 이미 수많은 의사들이 1인 임상시험을 시도하고 있다"고 전했다. 예를 들어 고혈압 환자에게 처음 혈압약을 처방하는 경우, 한 가지 약물을 처방하고 일정 기간 모니터링한 뒤 효과가 없다고 판단되면 다른 약으로 바꾸는 식이다. 이렇게 보면 1인 임상시험은 환자 개개인을 대상으로 충분한 기간에 걸쳐 충분한 치료 효과에 대한 자료를 수집하고, 최종적으로는 적절한 치료 방법을 찾아내는 과정으로 정의할 수 있다.



쇼크 박사는 “1인 임상은 기존에 있던 약물을 다른 증상에 시험하는 ‘약물재활용’이나 신약 개발은 물론, 환자에게 적절한 약물용량을 찾아내는 데도 활용할 수 있다”면서 “어떤 환자가 질병이 발병할 위험을 미리 알아채는 데도 개인의 의료기록을 기반으로 한 개인화가 중요하다”고 말했다.

네이처는 현재 진행되거나 준비 단계인 다양한 1인 임상들을 소개했다. 미국 국립암연구소는 다양한 말기암 환자 1000명을 그룹으로 나눠 각기 다른 치료법을 시도할 계획이다. 그룹은 증상이나 암 종류가 아니라, 환자의 유전자 변이를 기반으로 나뉜다. 연구소 측은 25개 약물을 각기 다른 그룹에 투여하는 방식으로 환자의 유전자 변이가 약물과 어떤 연관이 있는지를 밝혀낸다는 방침이다.

하지만 1인 임상이 정착하기 위해서는 극복해야 할 장벽이 많다. 제약사들은 수백만명의 사람을 대상으로 한 번에 돈을 벌 수 있는 약물에만 집중한다. 또 1인 임상을 하기 위해서는 기존 약물을 사는 것보다 훨씬 더 많은 돈이 필요하다.

미국의 암치료 전문업체인 ‘파운데이션 메디슨’은 환자의 암세포 유전체를 분석, 적절한 치료방법을 조언하면서 개인당 5000~7500달러를 받는다. 쇼크 박사는 “1인 임상도 재발성 질환의 관리, 만성 질환 치료, 부적절한 약물 남용 예방 등을 막으면서 궁극적으로 보건의료비를 대폭 절감하는 역할을 할 것”이라며 “제약사들 역시 신약개발 투자에 대한 수익률이 형편없기 때문에 1인 임상에 관심을 갖게 될 것”이라고 말했다.

의료·보건 > 유전체 분석해 같은 癌에 다른 항암제... 치료 효과 2배로

김철중 의학전문기자

입력 : 2016.04.29 03:00

[오늘의 세상] [암 치료 새 지평 열린다] [下]

- 내 몸에 약을 맞추는 표적 항암제

유전자 변이 폐암에만 10여종, 피부암·위암 항암제 써서 효과

- 항암제 교차 사용, 健保가 걸림돌

과잉진료로 판단, 병원에 과징금... 유전체 분석도 임상 연구만 허용

68세 김모씨는 3년 전 이유 없이 체중이 쑥 빠졌다. 뭔가 이상하다 싶어 검진을 받은 결과, 출처를 모르는 암(癌)이 몸 이곳저곳에서 발견됐다. 폐와 간, 흉추와 요추에 전이된 암이 있었다. 가슴과 배 속 림프절에도 암이 번졌다. 김씨처럼 암이 어디서 시작될지도 모르고 전이암 형태로만 보이는 경우가 드물게 있다. 항암제를 썼지만, 차도가 없었다. 그는 지푸라기 잡는 심정으로 2014년 4월 삼성서울병원에서 시행하는 암 환자 유전체 분석 임상 시험에 들어갔다. 환자에게 암을 일으킨 유전자 변이를 찾아 새로운 치료법을 찾는 목적이다. 거기서 결정적 단서가 나왔다. BRAF라는 발암(發癌) 유전자 변이가 발견된 것이다. 이에 의료진은 BRAF 억제 효과가 있는 항암제를 찾아서 환자에게 투여했다.

그러자 한 달 만에 여러 곳에 퍼진 암이 눈에 띄게 줄었다. 마약성 진통제도 끊을 정도로 전신 상태가 호전되어 생명을 이어갈 수 있었다. 중앙내과 이지연 교수는 "전이성 암 환자 428명을 대상으로 유전자 변이를 분석하여 거기에 맞는 표적 항암제를 골라 투여한 결과, 환자의 증상이 호전되는 확률이 그렇지 않은 경우보다 2배 높았다"고 말했다.

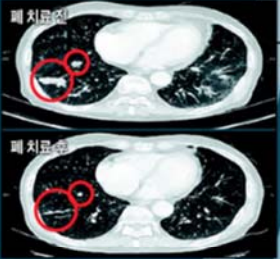
◇유전체 분석으로 표적 항암제 선택

폐암이라고 해서 다 같은 폐암이 아니다. 세포 종류도 다른 데다, 폐암이 생긴 요인이 환자마다 다르다. 그 차이를 찾는 것이 유전체 분석이다. 이를 통해 알아낸 유전자 변이에 따라 환자에게 맞는 항암제를 투여하는 이른바 개인 맞춤형 정밀의학이다. 국제학술지에 발표된 연구에 따르면, 폐암의 경우 10명 중 6명에서 암을 일으킨 유전자 변이가 발견되고, 그 종류가 10개를 넘는다. 그만큼 암이 발생한 과정이 환자마다 다르다는 얘기도.

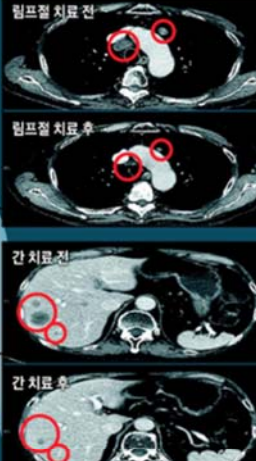
68세 남자 전이성 암환자, 표적 항암제 투여 후 변화

치료 전
오른쪽 폐와 간에 여러 개의 전이암 보임.
흉부 림프절에도 전이

치료 한 달 후
폐와 간에 있던 전이암이 눈에 띄게 줄어들.
림프절에서도 거의 사라짐



자료: 삼성서울병원



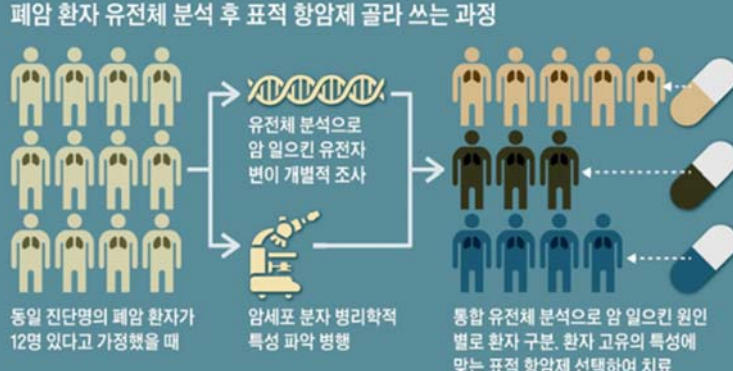
림프절 치료 전

림프절 치료 후

간 치료 전

간 치료 후

폐암 환자 유전체 분석 후 표적 항암제 골라 쓰는 과정



동일 진단명의 폐암 환자가 12명 있다고 가정했을 때

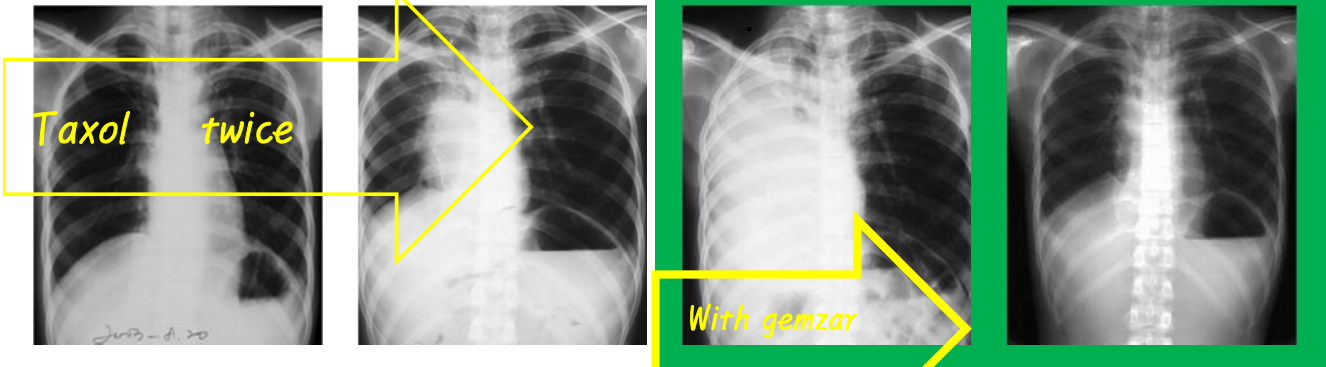
유전체 분석으로 암 일으킨 유전자 변이 개별적 조사

암세포 분자 병리학적 특성 파악 병행

통합 유전체 분석으로 암 일으킨 원인 별로 환자 구분. 환자 고유의 특성에 맞는 표적 항암제 선택하여 치료

Recurred breast Cancer patient.
After operation and twice taxol therapy.

Winter Type patient



Lung metastasis operation	1 st taxol	2 nd taxol	Gemzar MSB0052
After operation	30 days	47 days	97 days
		First visit to clinic	50 days

Tumor and collapse almost disappeared
 By taxol and herbal medication
 Within 2 months.

2017/1/20

2017/1/26

2017/1/20

Head & neck : Local recurrence를 시사하는 비정상적으로 증가된 glucose metabolism 소견은 관찰되지 않는다.
 Both thyroid lobes(SUVmax 2.4)에서 diffuse FDG uptake이 관찰되며 thyroiditis의 가능성이 있음.
 Chest & breast : 6 LN(SUVmax 5.8), left internal mammary LN(SUVmax 5.4)에서 increased FDG uptake이 관찰되며 metastasis로 판단됨.
 4L LN(SUVmax 3.2), 5 LN(SUVmax 2.6), 7 LN(SUVmax 3.6)에서 increased FDG uptake이 관찰되며 metastasis의 가능성이 있음.
 Left pleura에서 hypermetabolic nodules(SUVmax 1.8)이 관찰되며 metastasis로 판단됨.
 Left diaphragm(SUVmax 5.6/8.3)과 LUL(SUVmax 4.2)에서 increased FDG uptake이 관찰되며 metastasis의 가능성이 있으며 abscess 가능성도 고려해야 함.
 LUL의 cavitary lesion은 pneumonia로 판단됨.
 Abdomen & pelvis : 정상적인 glucose metabolism을 보이고 있으며, 비정상적인 hypo 또는 hypermetabolic area는 관찰되지 않는다.
 Extremities : 정상적인 glucose metabolism을 보이고 있으며, 비정상적인 hypo 또는 hypermetabolic area는 관찰되지 않는다.

PET CT .
 Metastatic left internal mammary LN , 6 LN of the mediastinum . 2. Left pleural seeding mets .
 3. r/o metastatic nodule of LUL 4. r/o metastatic 4L LN. 5LN of the mediastinum .
 4. Metastasis to left diaphragm

2017/2/21

한약과 방사선결합
 치료
 하달후에 결과

(1837-1900) - Lee jae ma
scholar of late Chosun dynasty, created the theory

Sasang typology originate from old chinese book “yellow Emperor Secret record”, and specified and clinically used in korea by Lee Jae ma.



jae ma created new type of medicine. he classified human constitution into four types. he found every type has different characteristics and its own diseases. he also found that different types of patients responded differently to herbal medications. he wrote about the type division and the new medication corresponding to each type. he classified mankind, herbs, diseases by each type on the basis of yin-yang theory

양에너지

음에너지



봄
내주려함
 목木
 태양

여름
 농아증
 화火
 소양

가을
거두려함
 금金
 태음

겨울
확음켜증
 수水
 소음



사상의학은 사상학에서 시작한다. 사상학이란 이전 동무공계서 가르치실 때 비단 의학만 아니라 동양사상의 근간인 태극사상론을 연구하여서 당시의 세계관이자 우주관이요 사물의 속성과 에너지를 파악하는 기준이었다. 음과 양은 오늘날의 언어로 말하면 음=인력 양=에너지로 볼 수 있다.

Sasang(four type) Typology

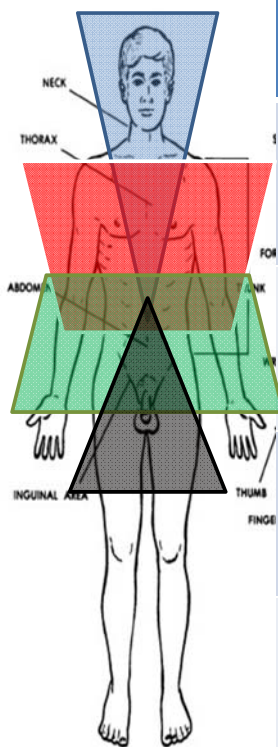




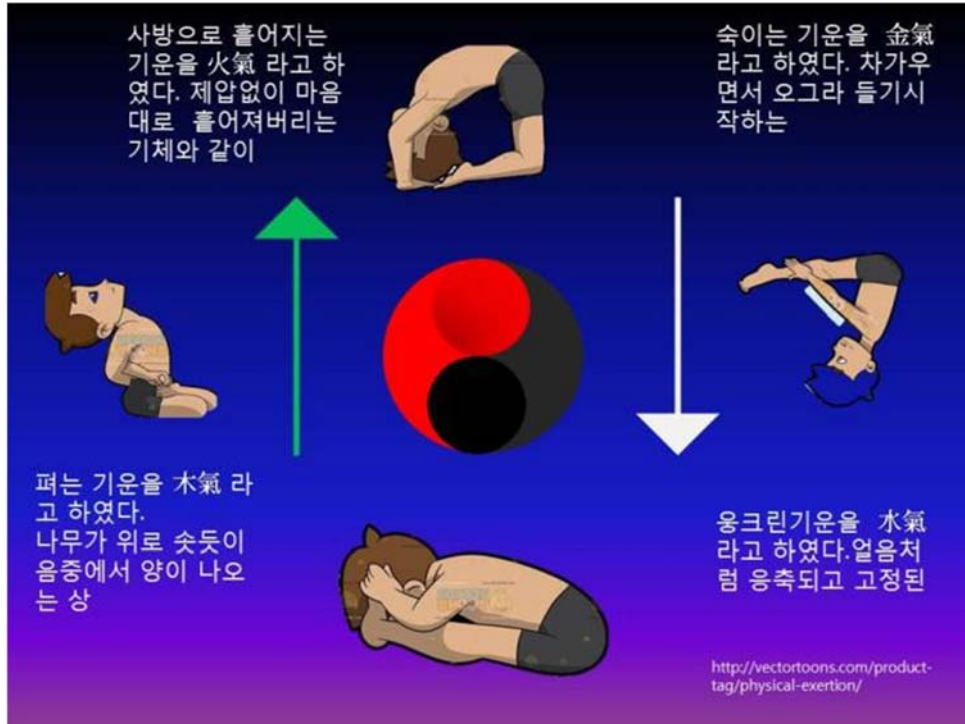










Figure 1-1. Regions

Type	Energy vector	Most developed organ	Percentile distribution of Sasang types in South Korea
Spring type 	Straightening up (like tree)	Lung Respiratory System	Spring type 0.1 % Very rare
Summer type 	Spreading (like fire)	Heart Circulatory System	Summer type 15%
Autumn type 	Gathering (like water)	Liver Digestive system	Autumn type 45%
Winter type 	Concentrating (like metal)	Kidney Reproductive & excretory system	Winter type 40%

양양의 이해



Yang type	ян	Yin type	инь
Spring type ++	Summer type +	Fall type --	Winter type -
Greater yang	Lesser yang	Greater yin	Lesser yin
вечна	ЛЕТО	осень	ЗИМА
Jumping energy	Running energy	Walking energy	Resting energy
spring	Dispersing	Gathering	Concentrating
nicotine	Muscarine	dopamine	Serotonin
			
			

Spring type



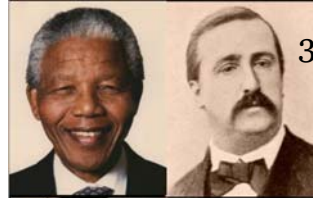
Summer type



Autumn type



Winter type



***Why is it important?
Using medications
by type's theory.***

2012.11.14
Russian lecture



Russian 의
 최우수 의학자들인
 Academician 등에게
 Myofibromatosis
 에 대한 치료사례 소개를
 함

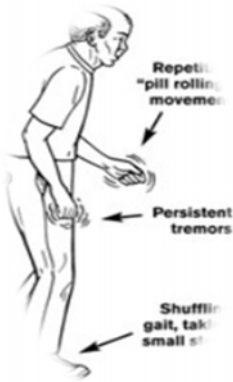
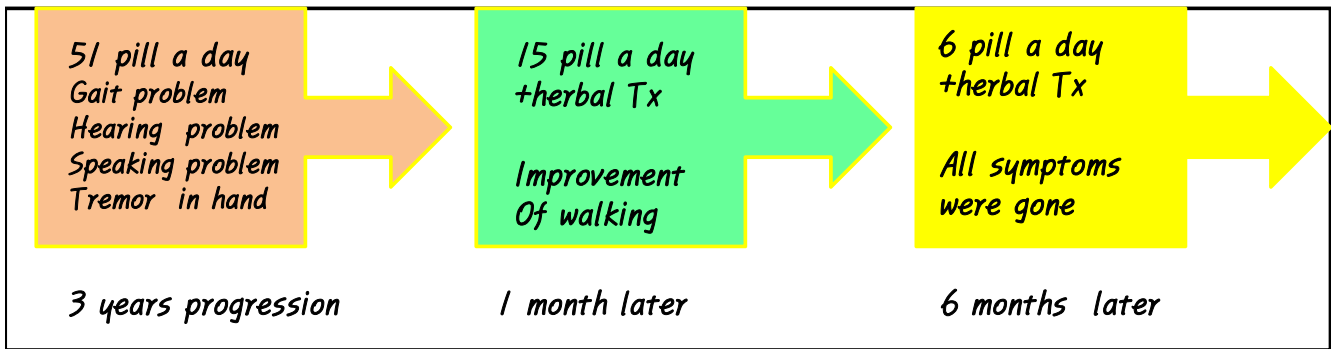
러시아 경제부의 초청
 으로 혁신의학을 위한 프
 로그램에서

암의 새로운 진단방법,
 과 치료방법. 체질에 따
 른 진단과
 생리학 그리고 파킨슨질
 환의 치료법이란 주제로
 강의

2012. 11.12-14 Russian lecture



Case 1 Parkinson's disease. - F/71



Walked
Only
20 m

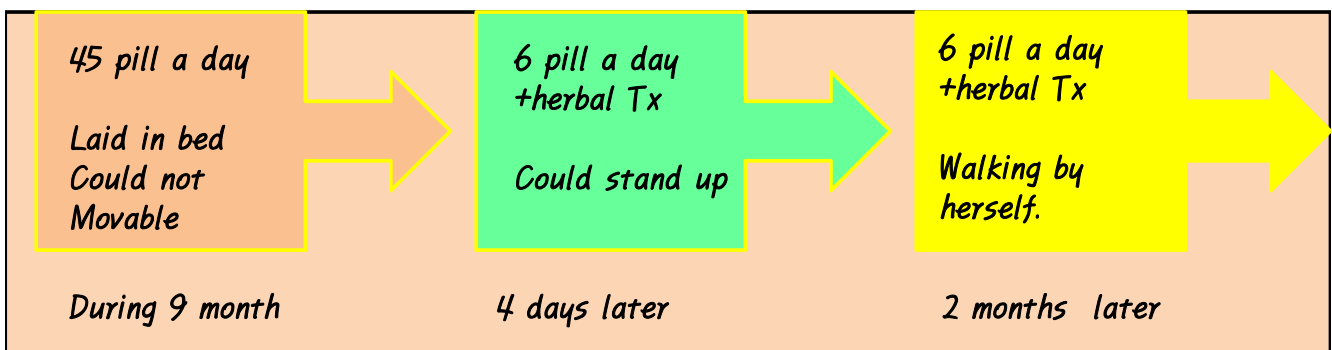


improved



Normal

Case 2 Parkinson's disease. - F/51



Auto immune disease

*Clinical examples by
constitutional medicine on autoimmune
disease*

Sasang (four type) typology

*Psoriasis for 7 years.
3 month therapy*

Before



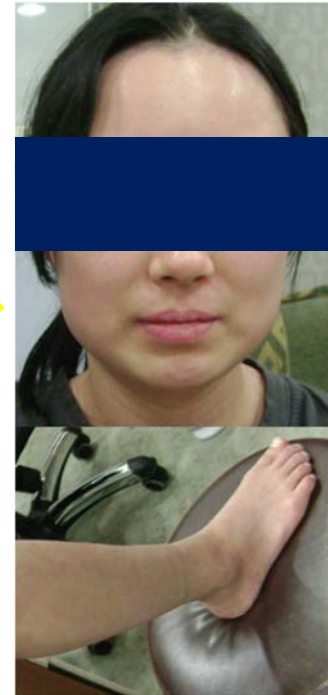
2 months later



**17
months
later**



Pustular Psoriasis 2 years. 2 months therapy



*Pustular psoriasis-2 years hospitalization
therapy failed.
herbal therapy and vitamin A - 40 days after*

Charcter of modern chemical drug

*Statistic result is not always
good for all*

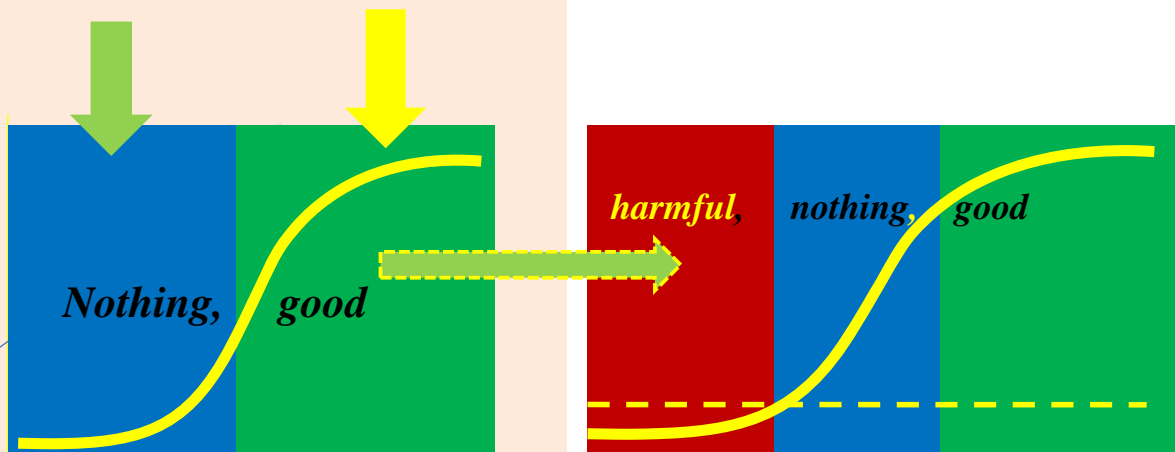
Effective group have good result

No effective group have no result

*Non
effective group*

effective group

*Side effective group
have no result & harmful*



Aspirin is harmful to summer type's children

*treat kawasaki syndrome
for winter type*

Kawasaki syndrome



Good



harmful

*cause of
Reye's syndrome
Of summer type*

Reye's syndrome



*Cancer therapy and
pharmacogenomics.*

Spring type	Summer type	Autumn type	Winter type
весна типа	летом типа	осенью типа	зимой типа
<i>aminoglycoside</i>	<i>Quinolon. Ciproxacin. ofloxacin</i>	<i>Beta lactam Cepha Amoxacillin Penicillin</i>	<i>Macrolide Oxytetracyclin Vibramycin Clindamycin Erythromycin</i>
<i>When Fever cough what drug is good for winter type ?</i>			
	<i>brufen. Naxen Aspirin . Mefenamic acid Ambroxol . EM</i>	<i>Acetaminophen Codeine Cepha Amoxacillin Dextrometrophan</i>	
	<i>Easily cured</i> 😊	<i>Fever Doesn' t cured</i> 😡	
		<i>Change into quinolone</i>	
		↓ →	<i>Sweat. Urinate. Hyponatremia</i> ↓
		<i>Chronic Rhinitis Otitis Media Asthma</i>	<i>ITP Aplastic anemia Leukemia Lymphoma</i>

Lung Cancer stage IV **BRH-1** + 이례사

2011.1.24

2011.3.7 **45days**



**36 month
Survival**

Herbal medication on evidence & science basis

Cancer stem cell targeted therapy

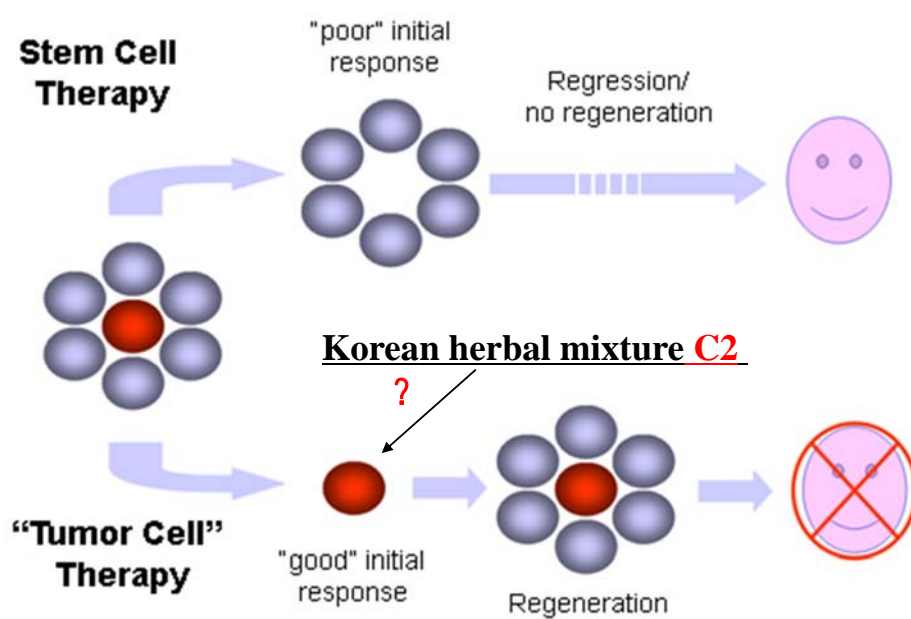
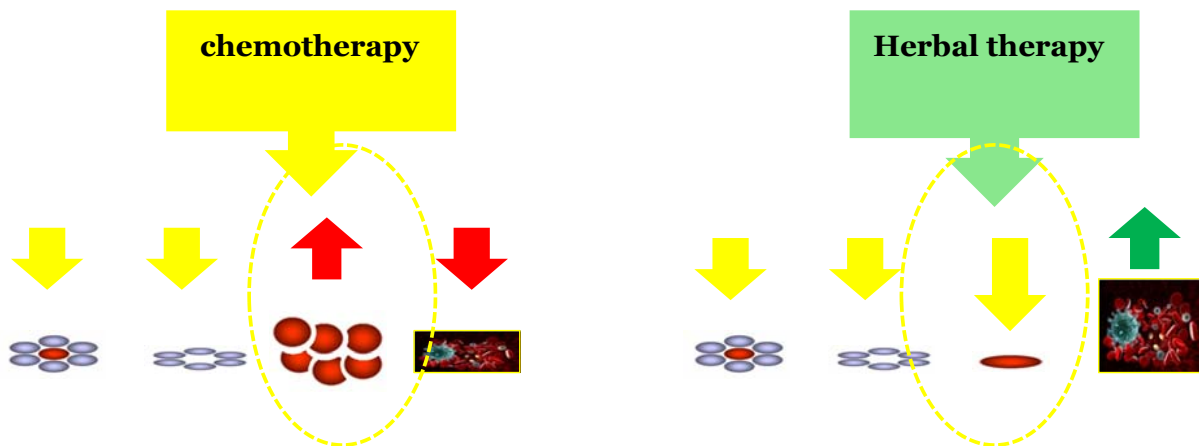
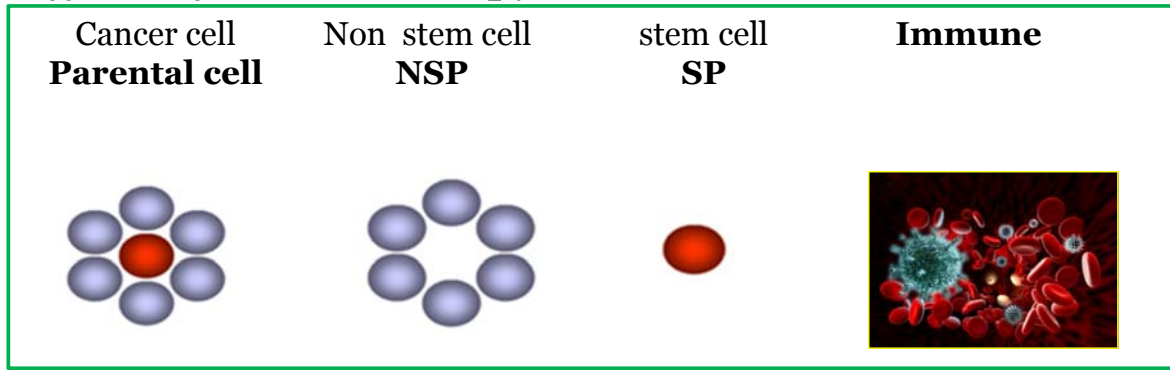


Figure 1: Targeting cancer stem cells

Effect of Chemotherapy



Malignant Melanoma / Presente - and published on Springer

- Female patient / after 8 times surgical removal.
- treated with MSB0052 medication for 3 months
- partial response as shown below



2009.7 MRI



2009.6.9



2009.8.18

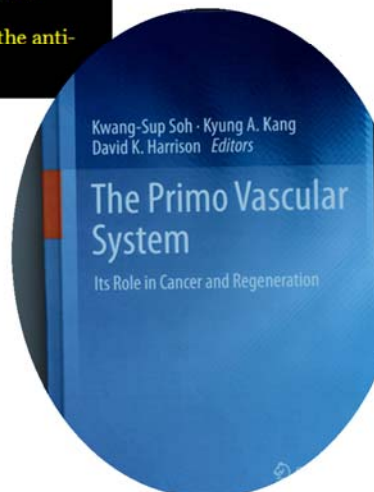
These experiences led us to conduct *in-vivo* study to evaluate the anti-tumoral effect of MSB0052 on animal model.

종한관 입증 및 임상활용 방안 연구 '논길'

항암 신약 개발 및 새로운 약물전달경로 입증 '박차'
경락-원순환계 국제심포지엄에서 최신 연구결과 발표



<LEFT></LEFT>지난달 한학(경락-원순환계) : 키는 연구결과와 함께 들이 발표돼 논길을 열 이날 안성훈 원광대 한 의 하나로서 프리모-노 달한가?를 주제로 한! 해 설명했다.

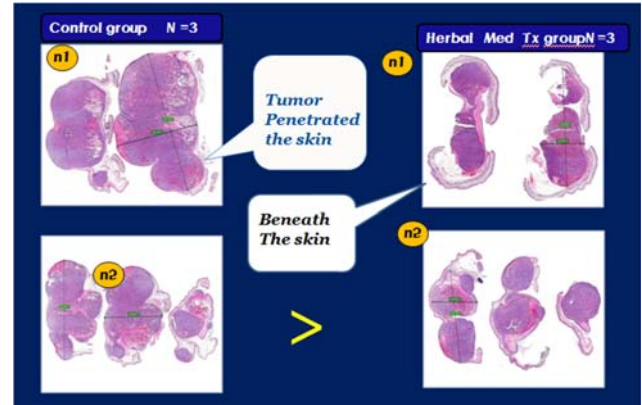
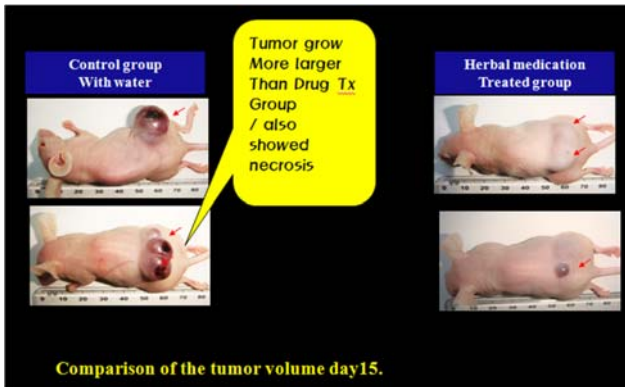


Chapter 26 Molecular Compositional Differences of the Primo and the Lymphatic Vascular Systems in Murine Melanoma Models

Jung Sun Yoo, Baatarbajal Oyungveril, Il Young Han, Ji Young Kim,
Chong Hwan Lee, Kang Duk Choi, Kwang-Sup Soh, and Tae Young Han

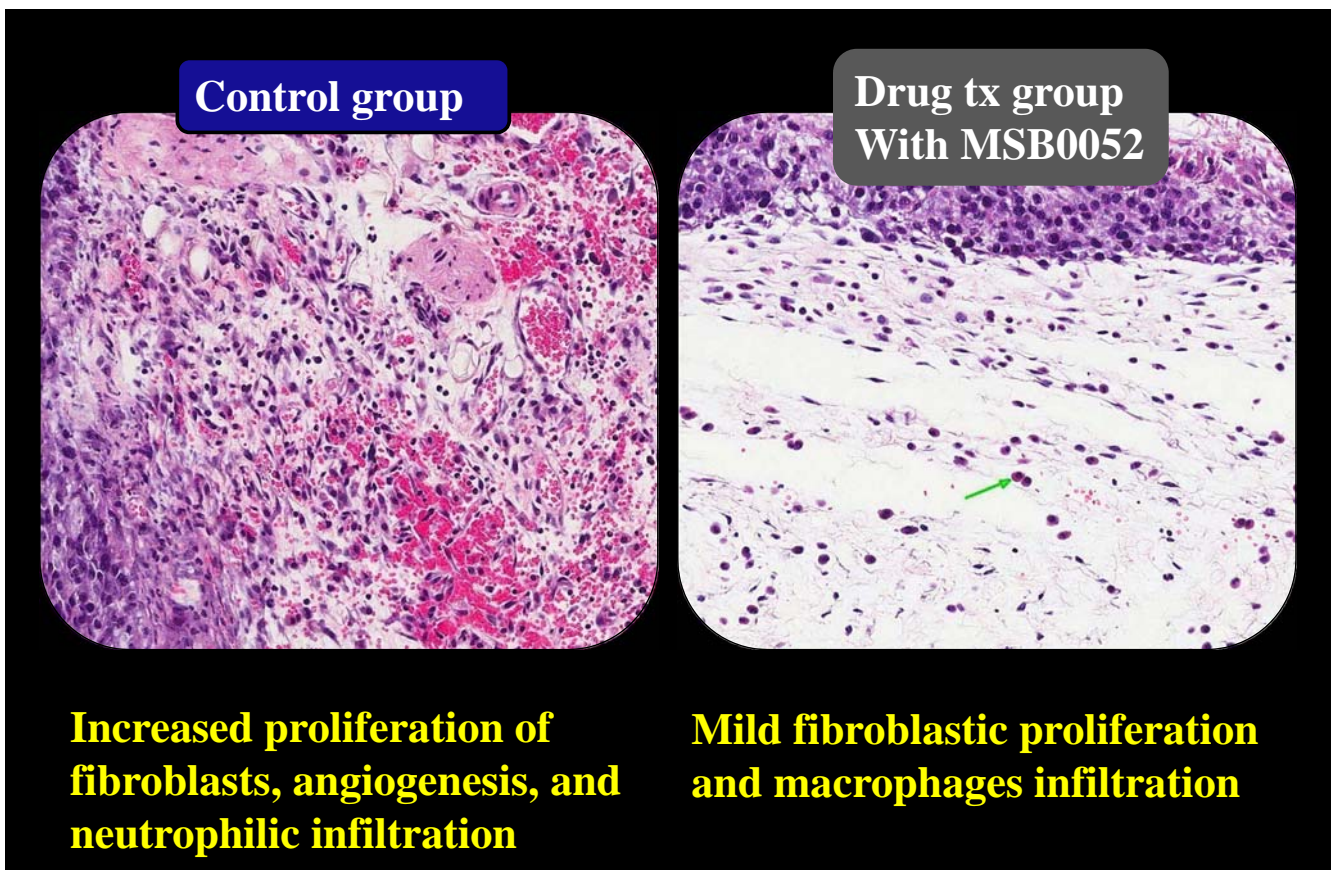
Abstract The primo vascular system (PVS) has been found in various cancer models, such as the lung cancer, ovarian cancer, and melanoma models. However, there have been no investigators to discriminate PVS from the similar-looking lymphatic vascular system (LVS) in melanoma models. In the present study, the compositional differences between the PVS and the LVS were investigated in murine melanoma models by using immunofluorescence staining and ultra-performance liquid chromatography quadrupole time-of-flight mass spectrometry (UPLC-Q-TOF MS). Primo vessels (PVs) and primo nodes (PNs) were found on the surface of a cutaneous melanoma by using Trypan blue staining. An immunofluorescent study revealed that the PVS did not contain LYVE-1, a specific endothelial antigen of lymphatics. UPLC-Q-TOF MS chromatograms clearly showed different mass peaks between the two vascular systems. Taken together, the presented data on the compositional differences suggest that the PVS is an entirely different circulation system from the LVS.

After 15 days.



*Control group showed necrosis in the middle of tumors
The masses of control group are more larger than D*

**Pathological evaluation on day 10:
extratumoral reaction**



ACOS 2012/6/13

Korea herbal mixture C2 supresses the cancer stem like side population in human Glioblastoma cells and inhibits their stemness genes expression

10th International Conference of The Asian Clinical Oncology Society
June 13-15, 2012 COEX, Seoul, Korea

- Welcome Message
 - Conference Information
 - Registration
 - Scientific Program
 - Call for Abstracts
 - Awards
 - Sponsorship & Exhibition
 - Social Events
 - Accommodations
 - Tours
 - General Information
- On line Registration
- Call for Abstract



Mypage

Personal Information - Registration -

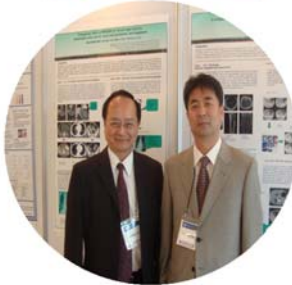
Abstract Preview

FP2012-258
Central Nervous System Tumors
KOREA HERBAL MIXTURE C2 SUPPRESSES THE CANCER STEM-LIKE SIDE POPULATION IN HUMAN GLIOBLASTOMA CELLS AND INHIBITS THEIR STEMNESS GENES EXPRESSION

Tae-young HAN¹, Chih-jung YAO^{2,3}, Ping-i

¹Department of Medical Oncology, Baoshan Medical University, Taiwan, ²Department of Traditional Medicine, Wan Fang Hospital, National Health Research Institute

Purpose : C2, a Korean herbal mixture, suppresses the growth of glioblastoma cells in vitro and in vivo. However, the mechanism is still unknown. As recent studies showed that C2 could inhibit the self-renewal of glioblastoma cells, it would be interesting to ask whether C2 could suppress the self-renewal of glioblastoma cells. **Method (Materials)** : By using UV laser-assisted cell sorting, glioblastoma cells were detected and sorted from Glioblastoma cells. The expression of genes was estimated by qPCR. **Results** : In addition to forming spheroid and sphere-forming cells, the number of sphere-forming cells and sphere size were much higher than control. C2 treatment significantly decreased the proportion of SP cells from 1.0% to 0.5%. C2 treatment also decreased the expression of stemness markers CD133 and Oct4, but also drug resistance markers Notch-1, GSK-3 and B-catenin. Consistently, the expression of Wnt/β-catenin pathway could be inhibited. **Conclusion** : C2 treatment could suppress the self-renewal of glioblastoma cells in vitro and in vivo.

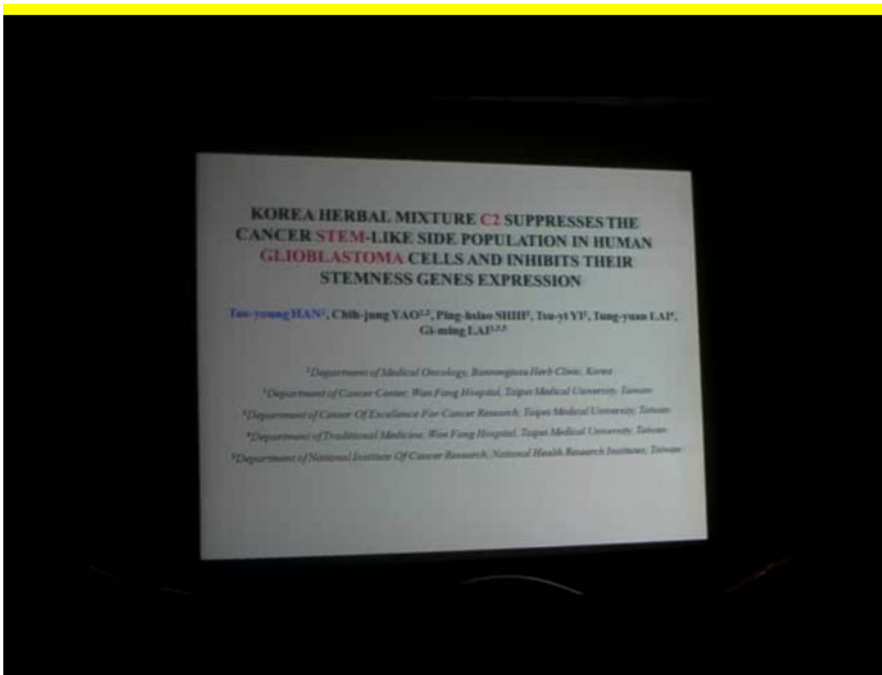


A thesis announced on ACOS in Seoul (2012/6/13) by Dr, Gi Ming Lai of Taipei University in Taiwan. And Dr. Yao announced it.

He is one of the most famous oncologist and researcher in China world.

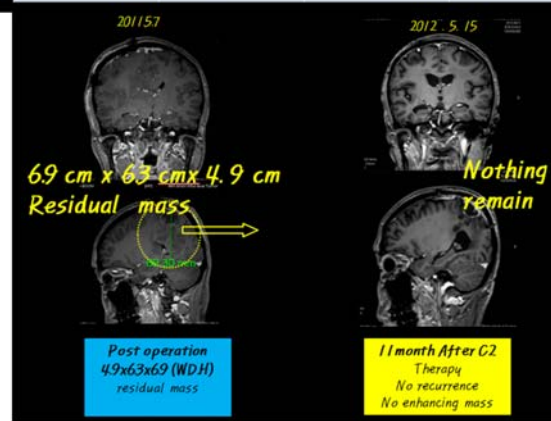
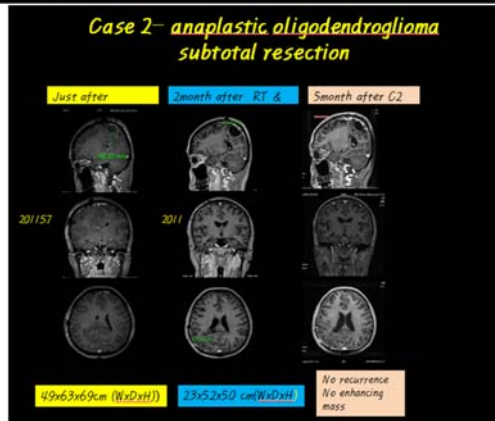
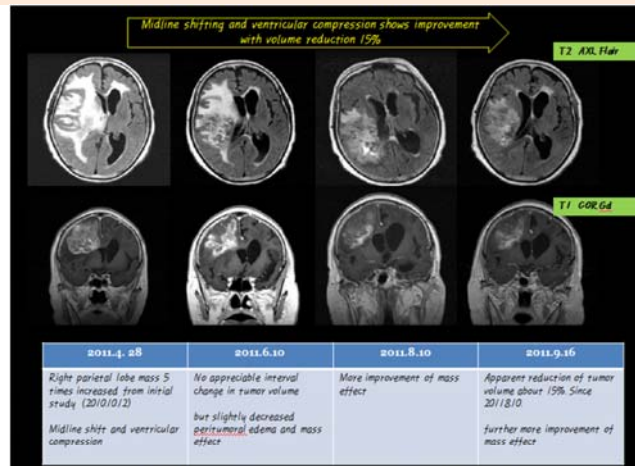
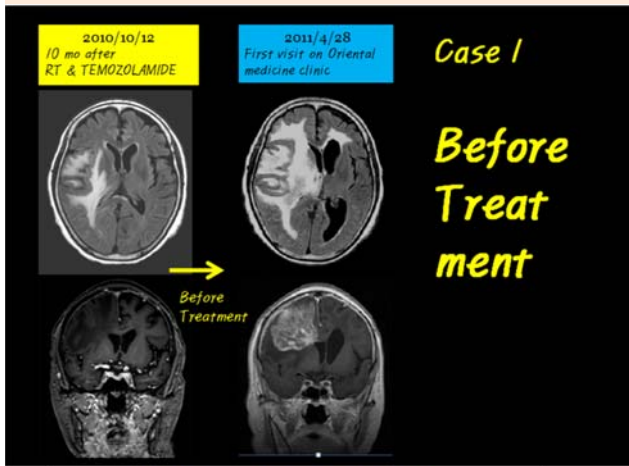
He studied about the effect of my herbal medicine, C2, on Glioblastoma cells and found out that the C2 herbal medicine has stem cell inhibiting effect.

ACOS 발표/ 대만 요지청박사의 발표



대북의과대학암연구소
대북의과대학부설
만방의원 암연구소
대만 국립암센터
공동으로 아직까지 치료약
이 개발되지 않은
Glioblastoma
multiforme 에
본원의 약 C2 의
임상자료와
줄기세포 억제기전을
연구하여서
라기명박사의 지도하에
대북의과대학
요지청박사가
2012. 6월 KOEX
에서 열린 아시아 임상
암학회에서 발표함.

Glioblastoma multiforme clinical case

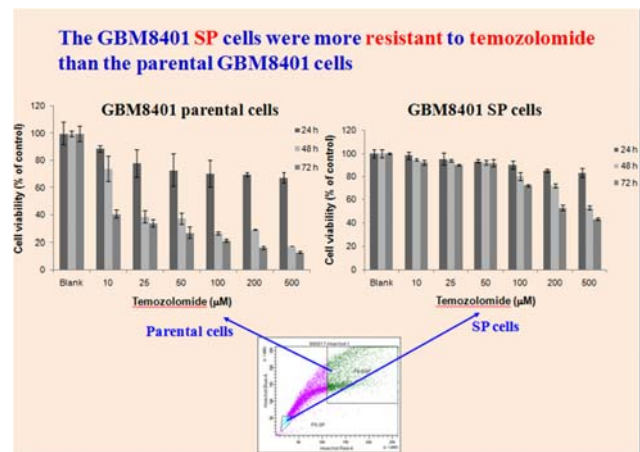


- **What are the mechanisms underlying the amazing effects of Korean herbal mixture C2 in GBM patients?**

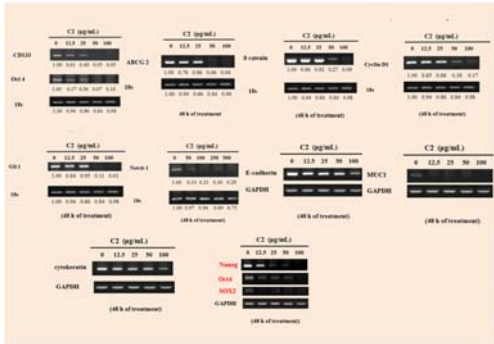
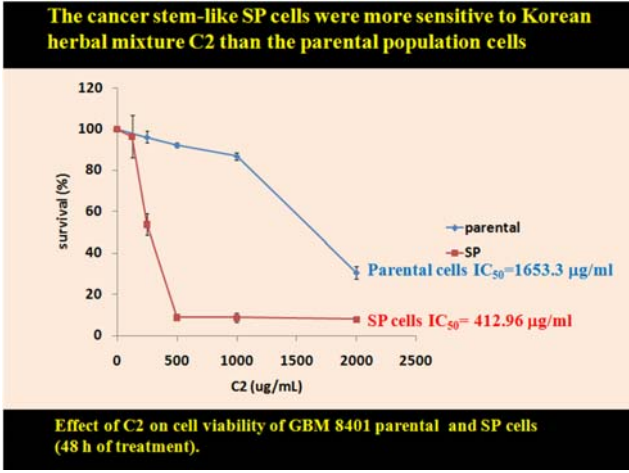
The cancer stem-like side population (SP) cells

Multidrug efflux pumps and cancer stem cells: insights into multidrug resistance and therapeutic development
— *J Clin Pharmacol Ther* 2011 Apr;89(4):491-502.

With the capacity to pump out the DNA binding dye hoechst 33342, the signals of cancer stem cells fell to the “side” of the bulk positively stained cells in fluorescence activated cell sorter (FACS) analysis plots and were referred as side population (SP) cells



Temozolamide has no effect on GBM8401 stem cells

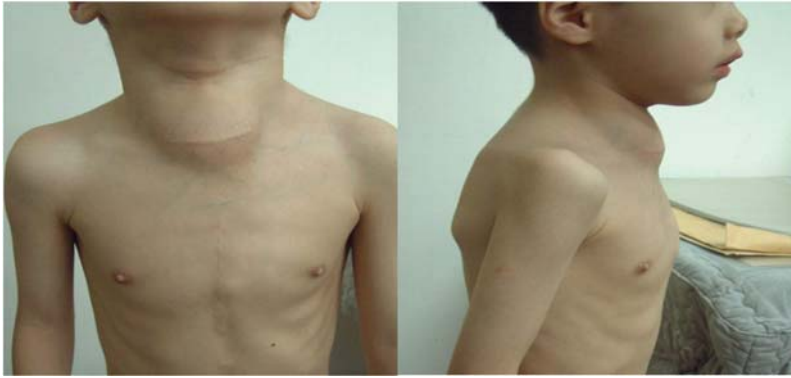


Conclusions
 Korean herbal mixture C2 preferentially suppressed the cancer stem-like side population cells rather than the parental cells in GBM8401 cells.

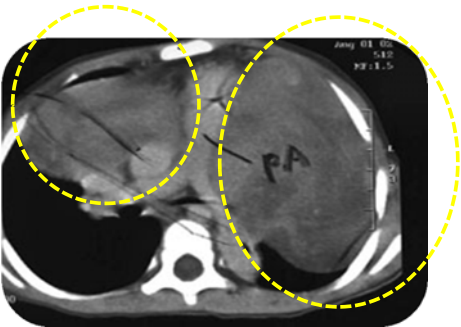
The effects of C2 may be associated with its inhibitory effects on the stemness genes (CD133, β -catenin, Gli, Notch-1, OCT-4, Nanog, SOX2, ABCG2, ABCB5) C2 also inhibited the mRNA of MUC1, E-cadherin and cytokeratin, which were reported to play important roles in cancer stem cells.

The above effects of C2 on the cancer stem-like side population in GBM cells may explain the its amazing clinical effects founded by Dr. Han Tae-Young.

Case Recurrent myofibromatosis (M/5 years old)

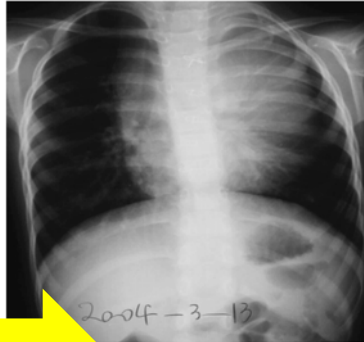


Progression of myofibromatosis After 3rd operation. Chemotherapy and RT treatment had no effect.



Before 2002. 9. 9
435 CC 100 %

After 2004. 3. 13
70CC 16%



At first -
inoperable
14.7x7.8x 11 cm
84 % reduction

Could
Remove
the mass



희귀 유전적 난치성 섬유종증·악성신경초종 복합제제로 치료 ‘물꼬’

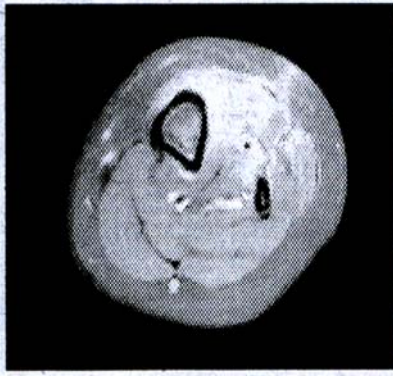
서울의대 安孝燮·申熙泳교수팀, ‘MSG500’ 개발

국내 연구진에 의해 임상에서 치료가 불가능하다고 판정된 유전적 난치성 질환인 재발성 섬유종증과 악성신경초종환자치료에 탁월한 효과를 보이는 복합제제인 ‘MSG500’이 개발됐다.

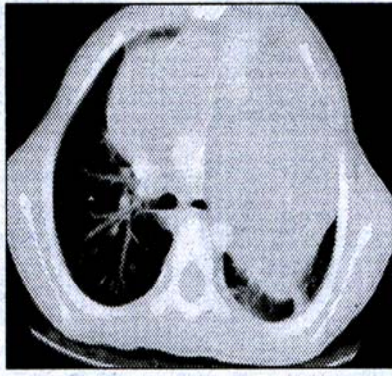
서울의대 소아과학교실 安孝燮·申熙泳교수팀(한태영·반룡인수한의원)은 최근 복합약물인

‘MSG500’을 새로 개발, 대상 환자에게 3개월간 투약한 결과 종양이 감소되는 탁월한 효과를 입증했다. ‘MSG500’으로 명명된 이 복합제제는 상황 등 천연물을 기본으로 한 천연물질로, 섬유화가 기본병리인 질환에 효과적이라는 판단하에 그간 선행 연구가 진행되어 왔다.

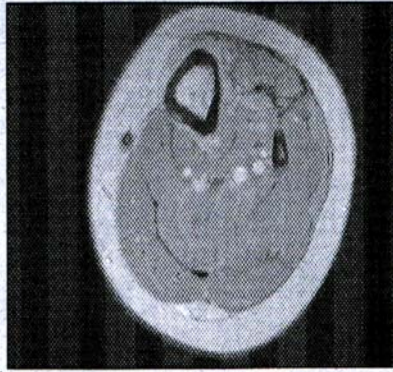
연구진에 따르면 재발된 섬유종증 환자(6세, 남)는 심장 앞쪽의 섬유종으로 3차례의 수술과 항암치료, 방사선치료에 이어 미국 NIH, NCI에 도움을 요청했으나 치료가 불가능하다는 판정을 받고 ‘MSG500’을 투여했다. 또 밀크커피 반점 등으로 신경섬유종증으로 진단받은 환자(6, 여)는 다리에 발생한 종괴가 증가, 조직검사상 악성 신경초종으



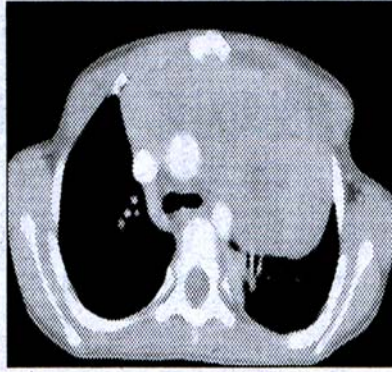
◇치료전



◇치료전



◇치료 6개월후



◇치료 3개월후

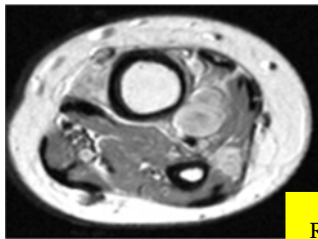
로 진단을 받고 수술후 항암치료를 시행했으나 치료 종료시에도 다리에 MRI 상 조영이 증강되어 있는 신경이 관찰됐다.

연구진은 'MSG500'의 작용기전을 밝힐 수 있는 면역학적 병리기전 규명을 위해 서울의대 해부학교실 李旻載교수팀과 일본국립암센터 소아과팀을 연구진에 보강, 국제적 교류와 기술 보급을 위한 기반을 확립했다. 또한 신경섬유종증 환자를 대상으로 임상실험을 확대, 실시하면서 약물의 유효성 및 안정성, 부작용등을 연구할 계획이다.

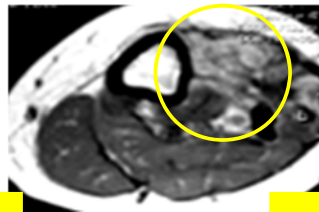
권미혜

Malignant Peripheral nervesheat tumor.

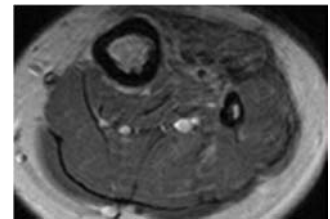
Before /2003.1.15



10mo/ 2003.11.15

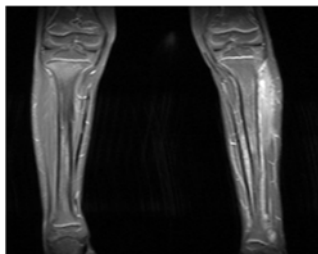
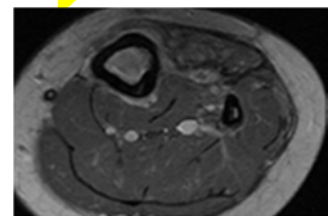
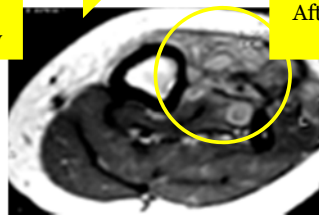
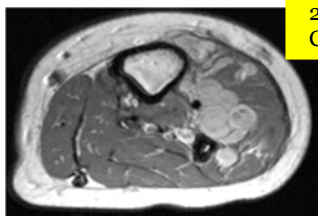


15 mo/ 2004. 5



Recurred after
2nd
Operation
2nd
Chemotherapy

Almost
Disappeared
By MSG0500
After 5 mo



3 years herbal medication therapy

No recurrence by 2012. 10. for 10 years.

Possibility of Alternative Medicine in the field of Pediatric Hematology-Oncology: Analysis of 7 cases of Unexpected Outcome by Modern Medicine.

by Doctor Hee Young Shin- Seoul National University. Cancer Research Institute.

현대의학으로 설명하기 힘들었던 7증례의 난치성 소아혈액종양질환에서 대체의학의 경험

박은실¹ · 한보윤² · 김민선² · 신희영² · 안호섭²

¹경상대학교 의학전문대학원 건강과학연구소, 소아과학교실, ²서울대학교 의과대학 암연구소, 소아과학교

Possibility of Alternative Medicine in the Field of Pediatric Hematology-Oncology: Analysis of 7 Cases of Unexpected Outcome by Modern Medicine

Eun Sil Park, M.D.¹, Boyun Han, M.D.², Min Sun Kim, M.D.²,
Hee Young Shin, M.D.² and Hyo Seop Ahn, M.D.²

¹Department of Pediatrics, Institute of Health Science, Gyeongsang National University School of Medicine, ²Department of Pediatrics, Cancer Research Institute, Seoul National University College of Medicine, Seoul, Korea

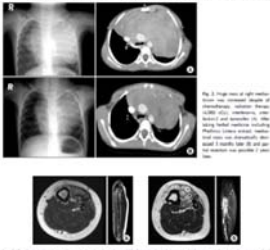


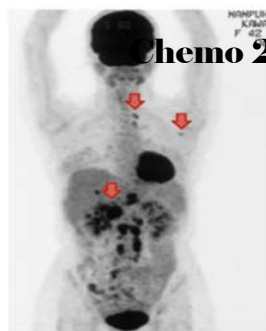
Table 1. Characteristics, treatment, and outcome of patients

No. of cases	Diagnosis	State when alternative medicine started	Alternative medicine	Outcome
1	Infantile fibrosarcoma	Third relapse with multiple coin lesions in both lungs	Acupuncture twice a week	No progression of tumor for 10 years
2	Recurrent fibromatosis	Progression of fibromatosis after third operation	Herb medication with dietary control	Regression of fibromatosis enabling surgical removal
3	Malignant peripheral nerve sheath tumor	Progression of enhancing lesion of leg on MRI	Herb medication with dietary control	Stable state of enhancing lesion of leg
4	Inflammatory myofibroblastic tumor	Inoperable due to wide gastro-intestinal involvement	Herb medication with dietary control	Regression of tumor and stable for 7 years
5	Hepatic adenoma-multiple nodular hyperplasia	Liver failure waiting for liver transplantation	Dietary control and exercise	Improved liver function and decreased size of focal nodular hyperplasia
6	Renal cell carcinoma	Operation after second relapse	Dietary control	No recurrence of tumor for 8 years
7	Chronic ITP	Unresponsive to treatment waiting for splenectomy	Cepharanthin	Complete recovery of platelet count

Failed stage IV pancreatic cancer with BRH1 herbal drug



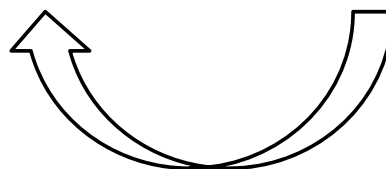
Before



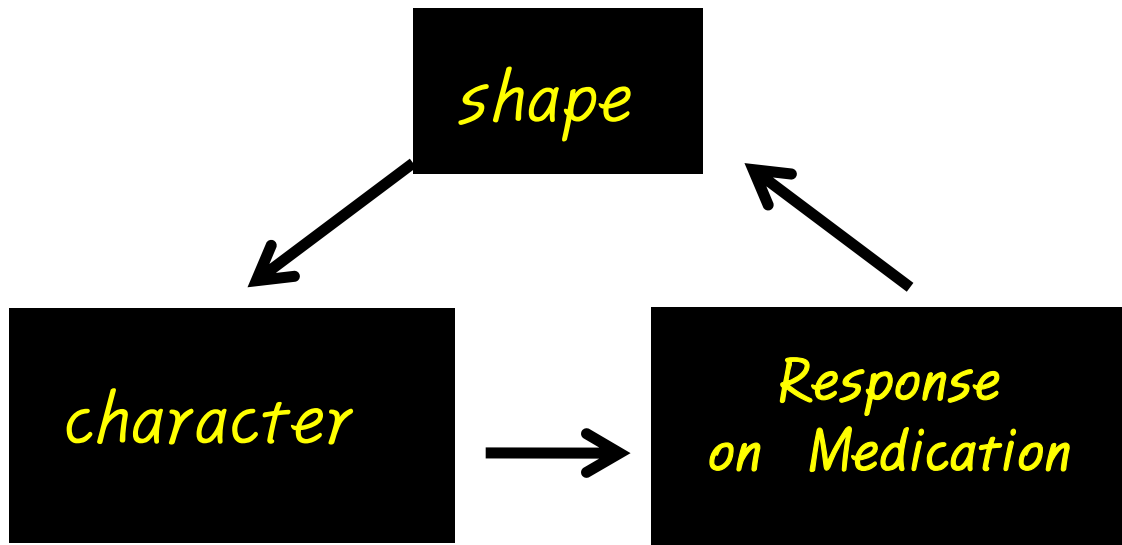
3mo after
TS-1+gemzar
Treatment
More progress
3th prognosis



5mo after
Gemzar
+Herbal Tx
Treatment
Much
improved



Classification depend on three factors.



Spring type

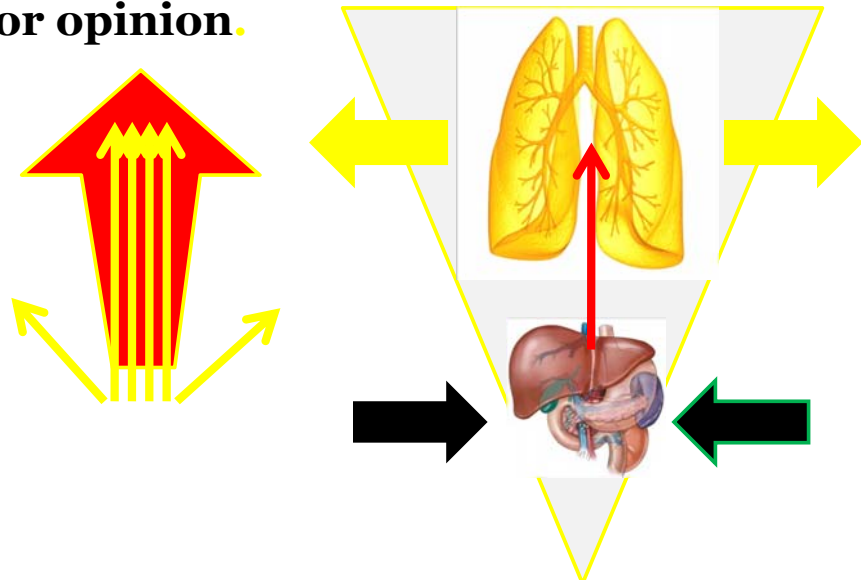


First type, the Spring Type, has **very strong** and **audacious** personality.

They are the ones with creative and innovative ideas, and have energy like spring.

Most of them are workaholics, and

they never easily give up their belief or opinion.



Lift up the neck

Hearing sense



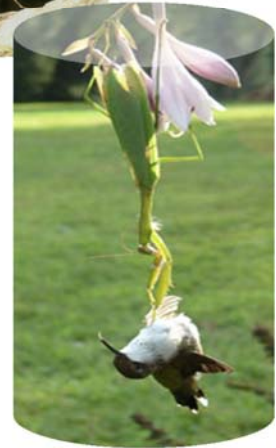
*Autumn type
Down the neck*



*SMALL MANTIS
DARE TO CATCH
THE BIG BIRD*



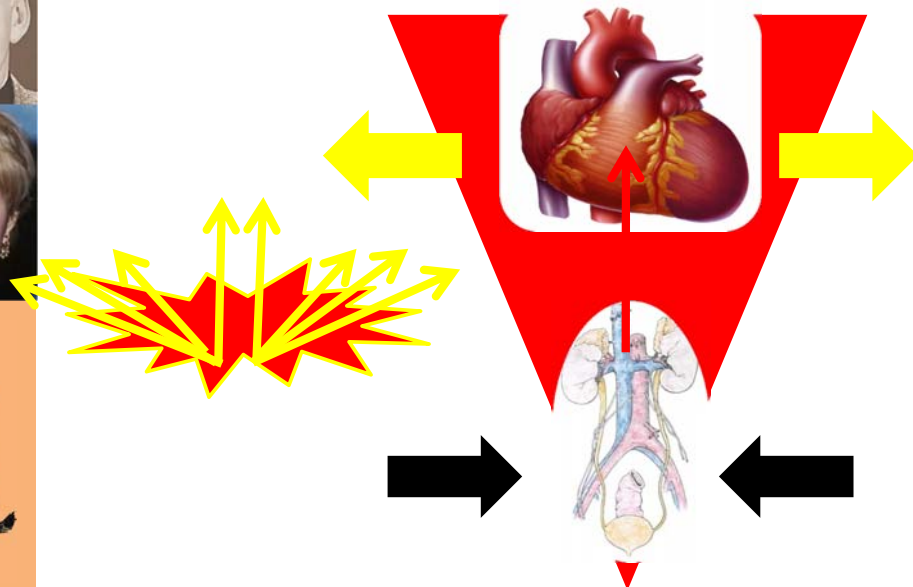
Strong neck



Summer type



The Summer Types usually have **well developed vision** and they have **quick demeanor** due to their slim and well-fit body. They are the active and social ones, and they enjoy others' interest on them. So actors, **artists, businessmen, politicians or social activists** are mostly the Summer Types



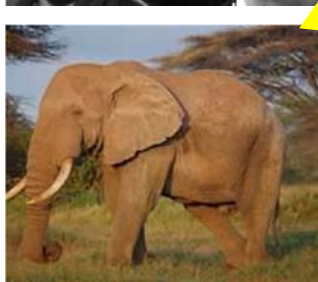
***Fast, active, artistic, sensitive, angry
Well vision. Struggle. Positive, showing***



10



Autumn type



The third type is the Autumn Type.

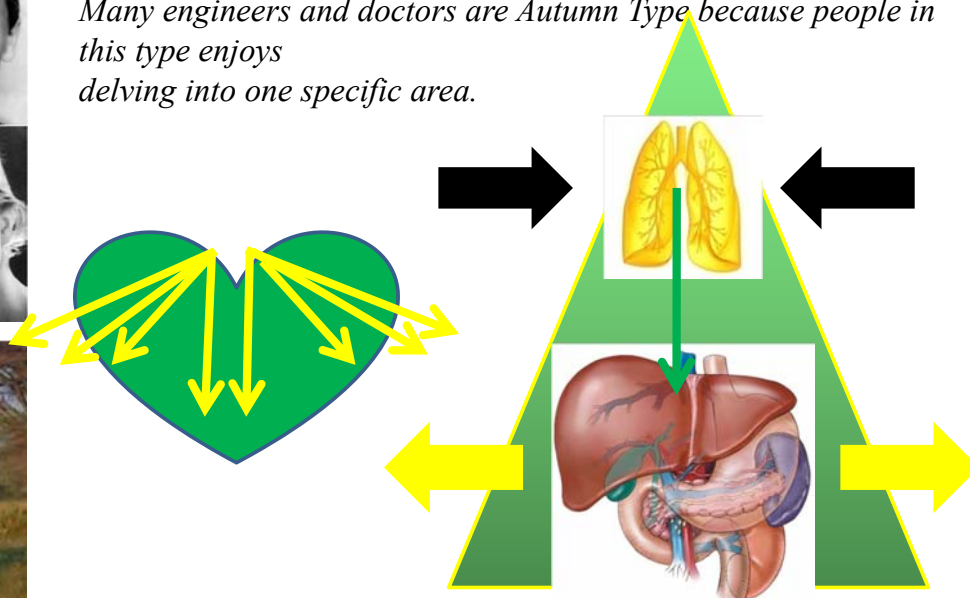
*They are mostly **slow and steady**.*

*People of Autumn type are **patient and they highly value human relationship**.*

They like to spend time with their friends or families and enjoy eating and drinking.

Many engineers and doctors are Autumn Type because people in this type enjoys delving into one specific area.

11



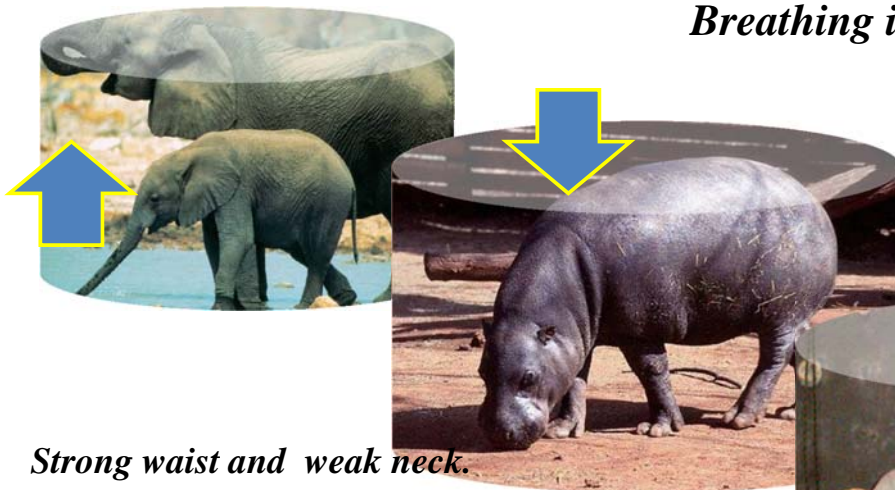
Autum type

Smell well

Good nose

Bad hearing

Breathing in > Breathing out



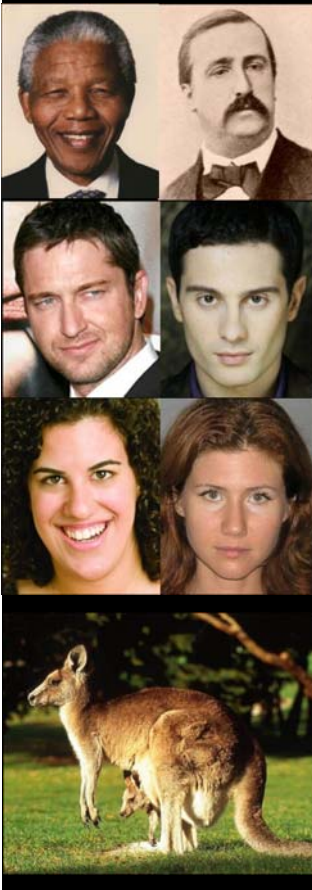
Strong waist and weak neck.

So always try to lift up the neck. And must use low pillow then the outbreathing became large

Supply the blood enough to head

And the hypertension became down

winter type

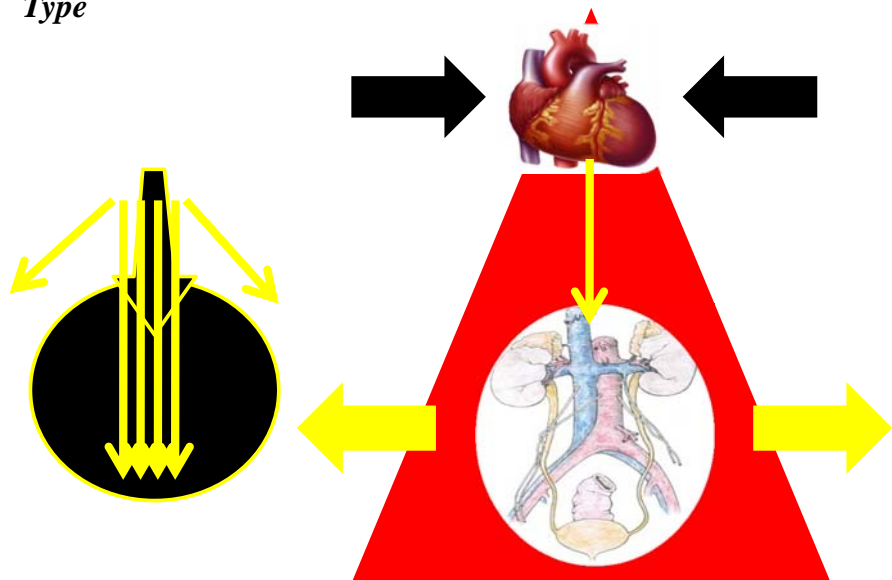


*The last one is the Winter Type. People in this Type likes to **use** ¹³ **their brain more than body**. Many people in this type are researchers or strategists.*

*They are very punctual and pursue stability in life. They also enjoys **resting their body**.*

People of the Winter Type values their families more than their social relationship.

*Many **researchers, bankers and comedians are the Winter Type***



The words that means winter type.

Digestive problem. Diarrhea. Tongue sensitivity

Doubt? Question? Research.----- → Stability

Rest alone. Entertainment & amusing



*One family in the internet
Type is inherited.*

Winter type

*Winter type
Slim and discrete*



*Winter type
Slim and discrete*



Autumn type

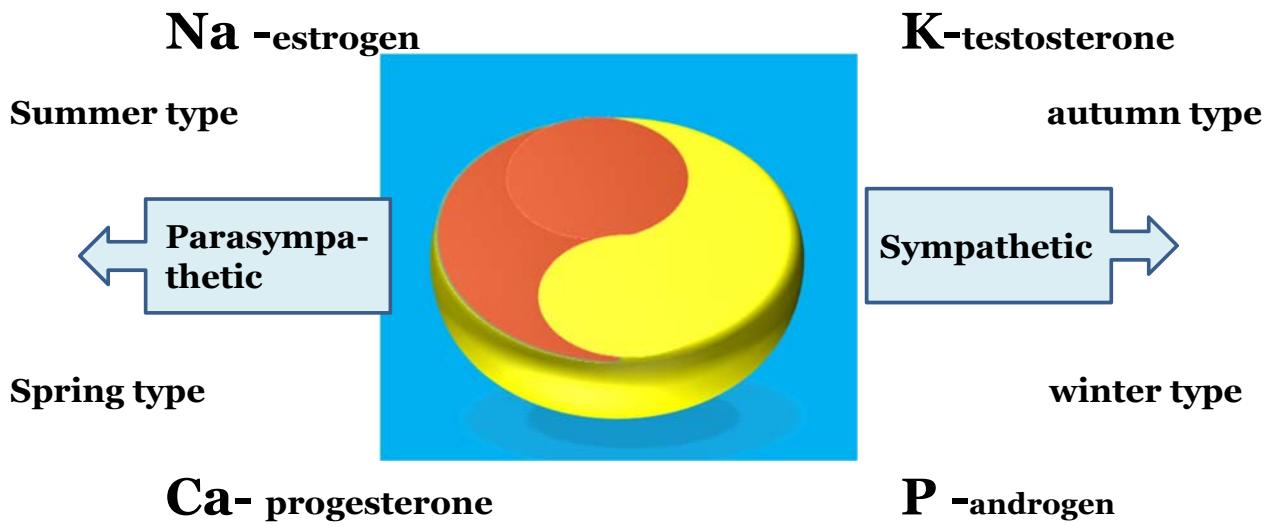
*Autumn type
Slow and generous*



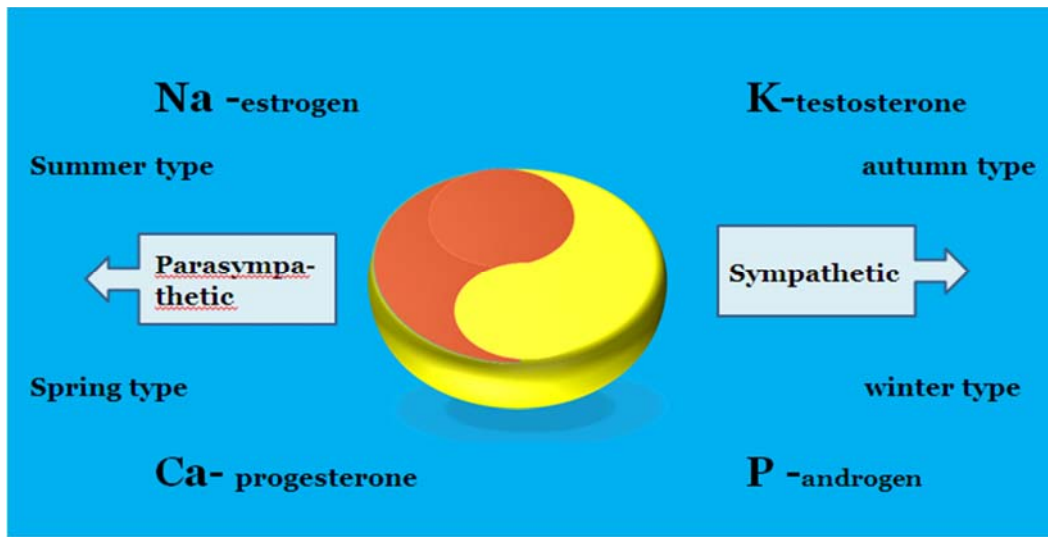
*Autumn type
Slow and generous*



Modern interpretation of constitutional type by doctor Han



Basic of OF YIN YANG



River fish swelling by sodium
Because they cannot excrete sodium

Sea fish doesn't swell by sodium
Because they always excrete sodium

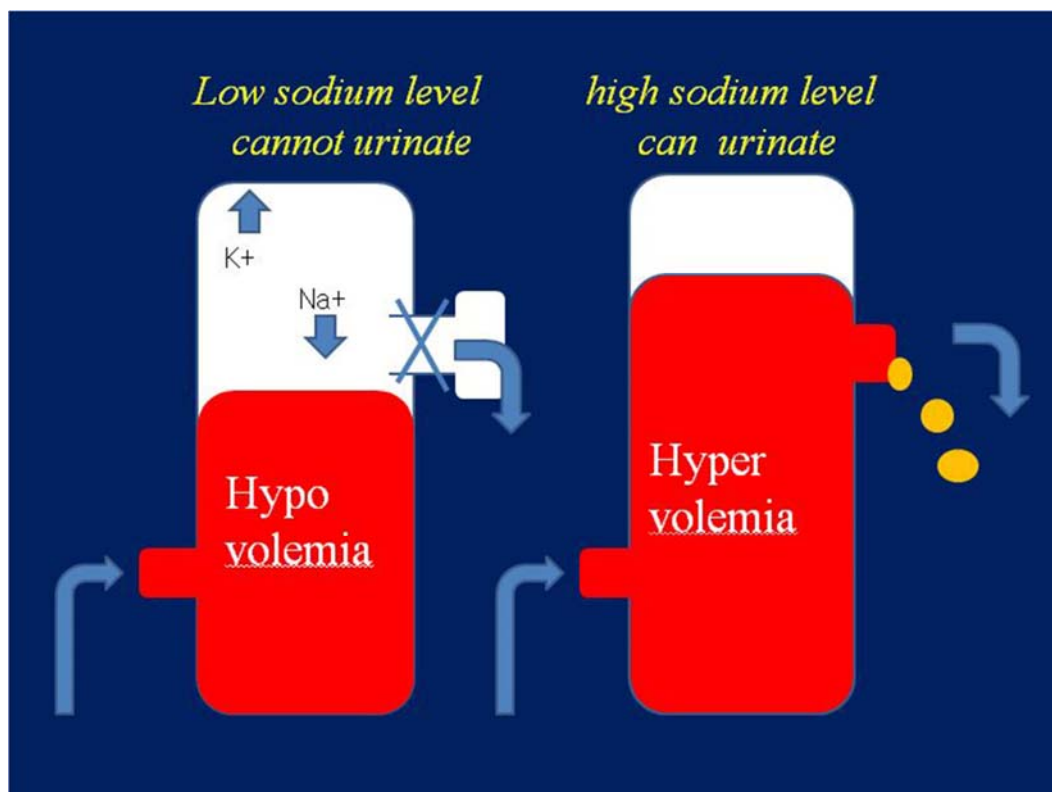
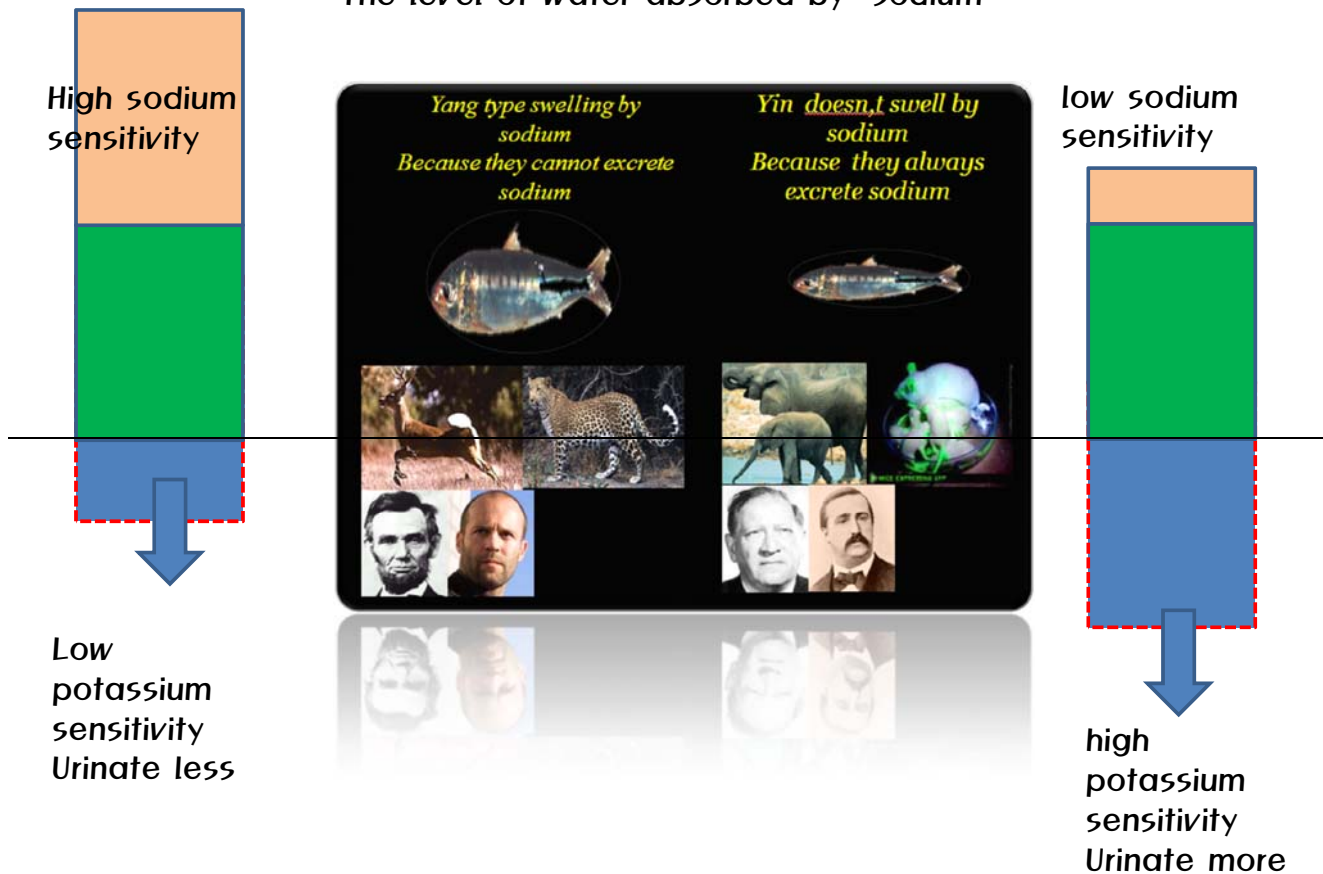


*Yang type swelling by sodium
Because they cannot excrete sodium*

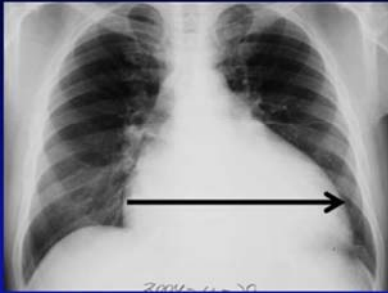
*Yin doesn't swell by sodium
Because they always excrete sodium*



The level of water absorbed by sodium



4/29



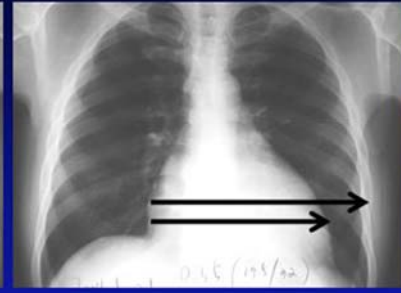
0.66
22.5cm/34cm

5/31



0.60
20.5cm/34cm

6/21



0.55
17.5cm/32cm

심비대 심정지로 이식을 권유받았다가 양방에서 금기시 하는 소금과 한약요법으로 심장이식을 하지 않고 정상화 된 경우로서 소음인의 심비대는 Digoxin 을 사용해야하는 소양인의 심비대와 전혀 다른 원리가 있다.



Doctor recommend cardio-transplantation

No salt for 6 months.

Very little volume of urine 5 month/ no urine for one month

Swelling -gain 20kg body weight. —. Digoxin/ ACE inhibitor/no salt

4.29

0.66

22.5cm/34cm

2 month later
Stop digoxin
Change ACEinhibitor
To Calcium blocker.
Every day . Sodium 3
spoon

Autumn & Winter type hypertension

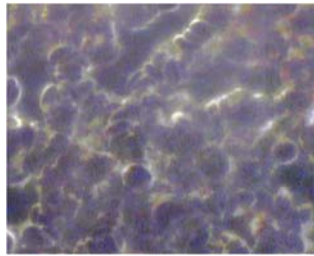
- $V \times p \times F = K$
- Volume . Pressue Frequency. Constant
- WATER EXCRETE BY SWEAT. URINE
- OR FOR HYGH GLYCEMIA
 - V → v
 - P → p - compensation hypertension of yin type
 - F → F - high potassium level

2017년 05월 10일 목

좌측

우측

측정안됨
200 이상으로
추론됨.



98년도 IM 때 충격을 받고 스트레스가 쌓이고 하였는데 갑자기 쓰러져서 한대병원 에 갔는데 혈당혈압측정분 가 고지혈증. 5-6개월밖에 못산다고 하였다. 서울대에 서도 마찬가지로 소견이었다. 당시 치료하다가 몸이 부어 올랐다. 신장이 망가졌다고 하였다 처음부터 신장이 역 할을 못한다고 하여서 검사를 하여서. 복막투석을 하고 2-3년 이식하기 직전에 혈액투석도 하고 검사를 하고 수술을 하자고 하여서 신장이식을 함. 2004년도 수술이후에 계속복용하였는데 일체 부작용이 없음. # 사이폰을 계속 드시고 있다. 소문도른드심 - 텍사로 바꿀것 당뇨약 쿨마로그 25주사약으로 사용한다.

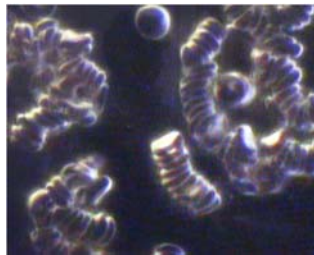
Right 179-158/93
Left 측정 불가.

소음인 환약과 짜게 먹고 소금정은 매일 2g 따로 드시게함.

2017-05/22

좌측

우측



Right 146-97/75 둔부형 그간짜게 드심.
Left 187-144/77 소금환도 먹고 있다.

원래 많이 짜게 먹고 좋아한다. 혈압도 떨어지고 잠힌다.

오늘아침에 당 89-90 정도 나옴팍은드심.

이전에팍을 좋아해서 병원가는약팍먹고 혈당이 높았다. 평소 에 대중업이 빵먹으면 많이 나오고 오후 300 정도 나오고 하였다. 아침에 먹기전에 재서 식사량을 비 교해서 결정을 한다. 25정도를 놓는다.

리피토를 리피딜로 바꿀것. 면역억제제 마이퐁텍 드시 지 말것. 자장

YIN - YANG IN THE NATURE
YIN - YANG IN THE BODY

Yang state

Energy > gravity

Movable

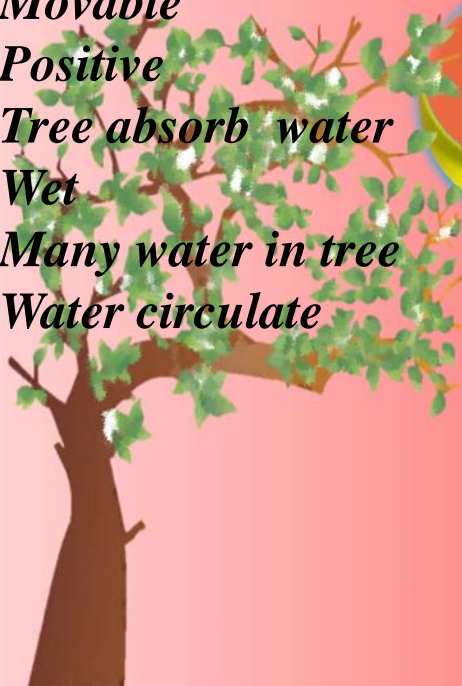
Positive

Tree absorb water

Wet

Many water in tree

Water circulate



Yin state

Energy < gravity

Not Movable

Negative

Tree excrete water

Dry

Small water in tree

Water stop movement



In summer trees can absorb water



If we take more sodium,

($Na > K$)

Our body absorbed water

Become

Hypervolemic

State

In winter trees cannot absorb water



If we take more potassium,

($K > Na$)

Our body urinate

Excrete water

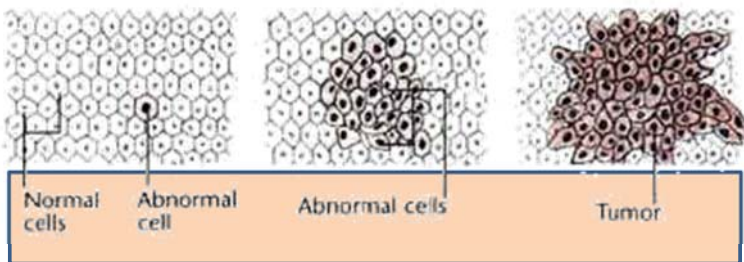
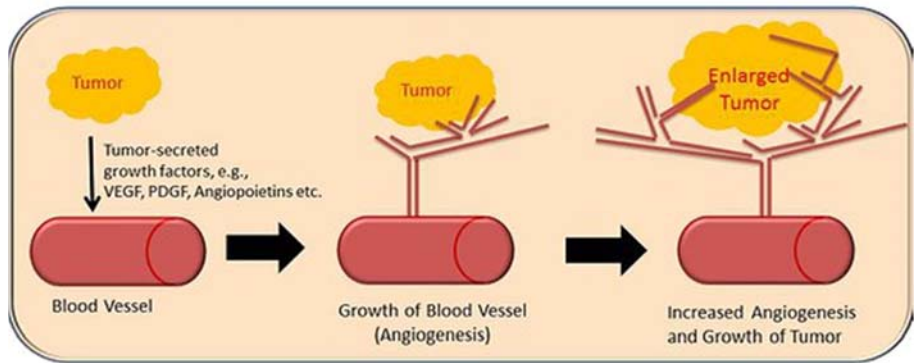
Become

Hypovolemic

State

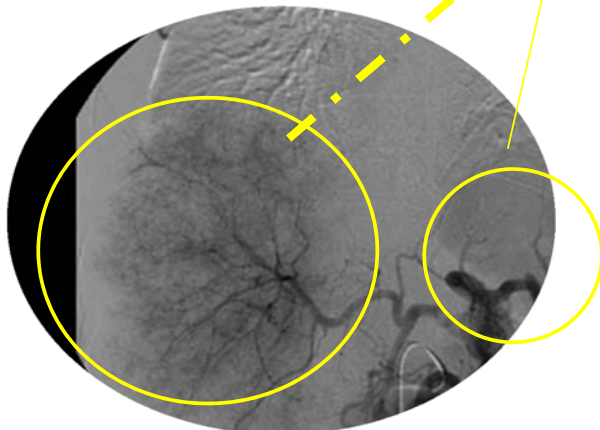
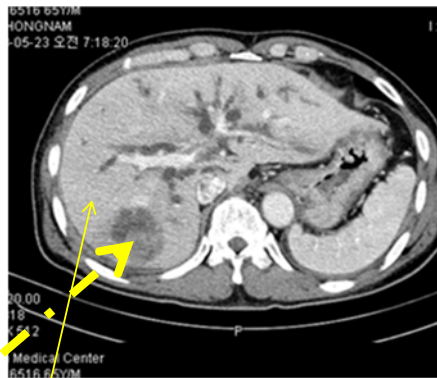
Cancer

항암화학요법공고
전문



매우 많은 혈관이 엉켜보이는 부분이
얇은 영양공급하는 신생혈관

정상적인 부분은
혈관 생성이 희소
하다.

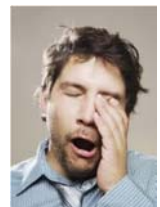


신생혈관은 왜 자라나.?

VEGF = 암환자 몸에는
신생혈관 성장인자가 높게 발현
된다.



Hypoxia
저산소증.





DON'T BE AFRAID OF CANCER.
AFRAID ABOUT COOL BODY



EXERCISE



CLIMBING SAUNA



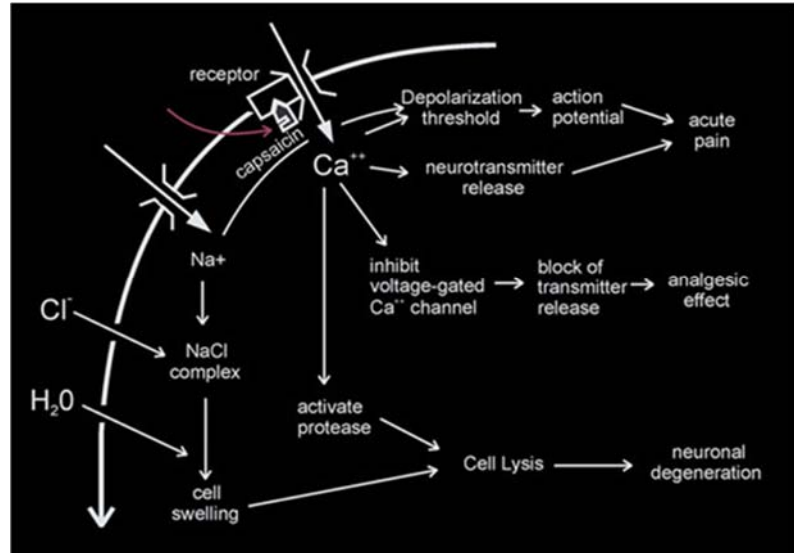
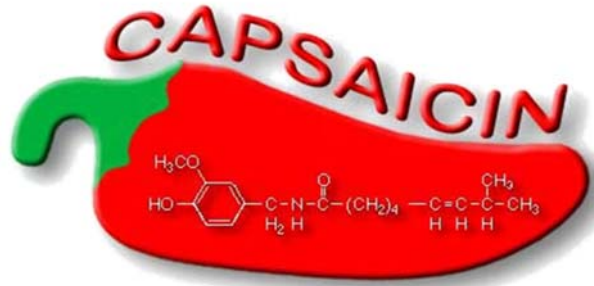
SALTY SPICY



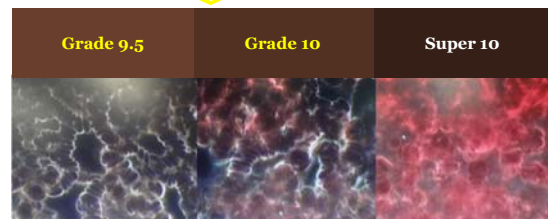
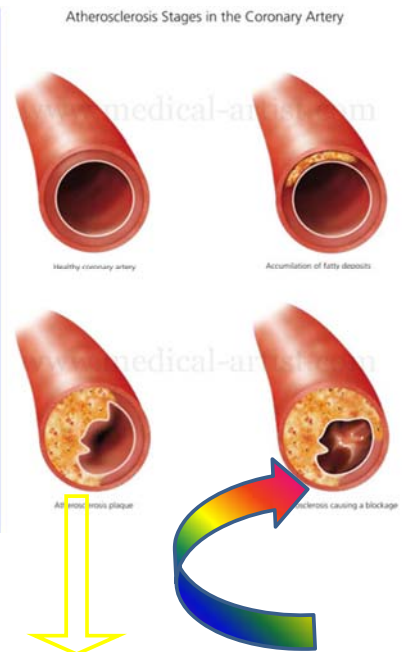
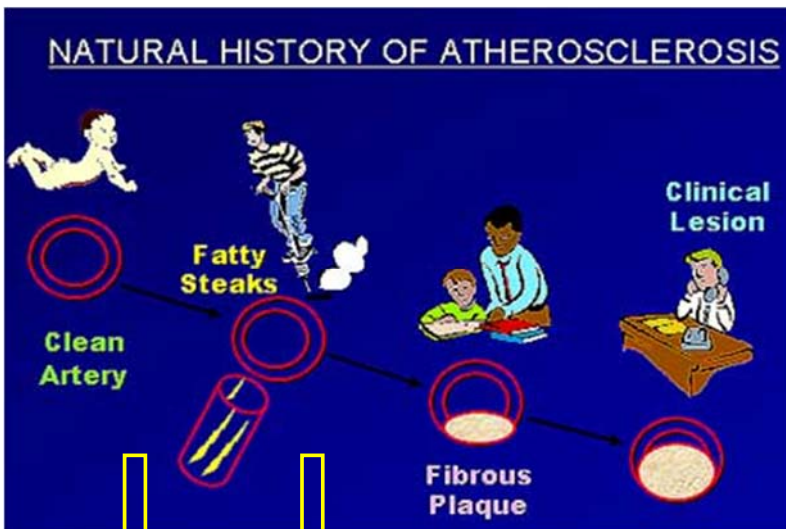
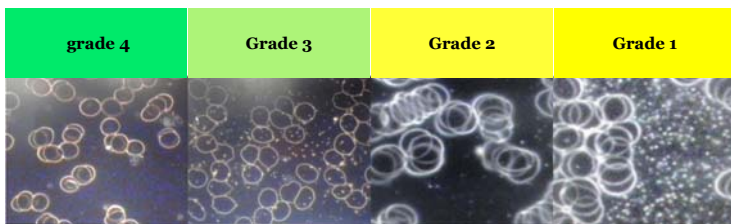
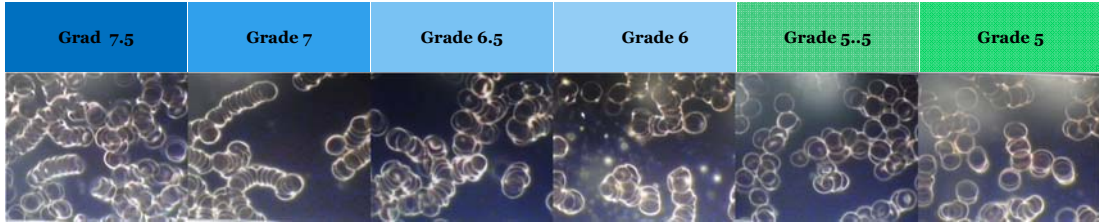
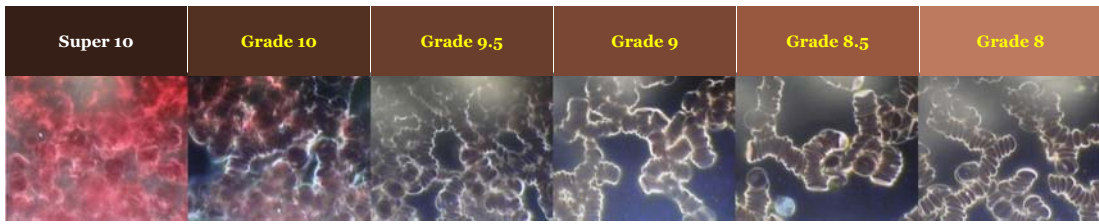
Graphic Leftovers

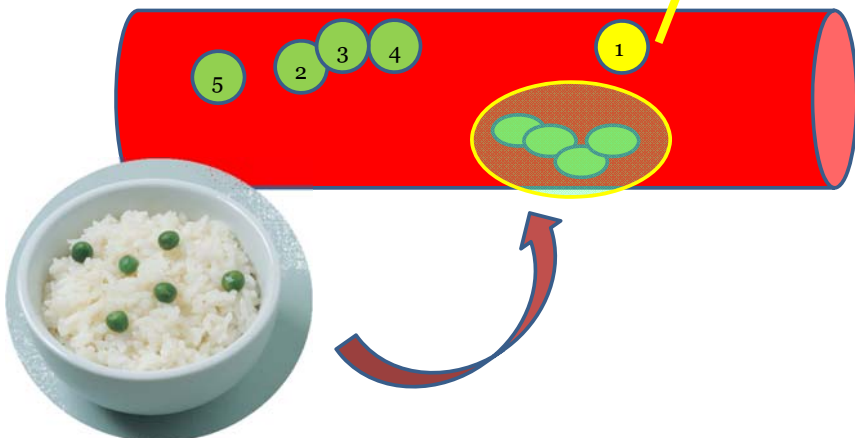
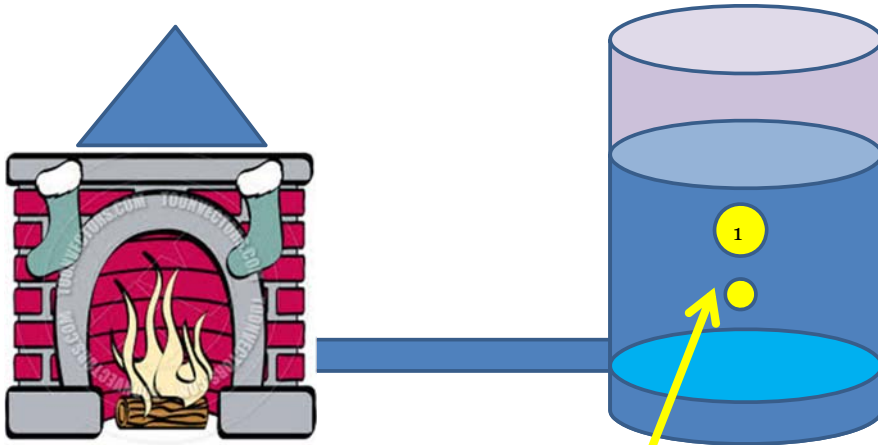
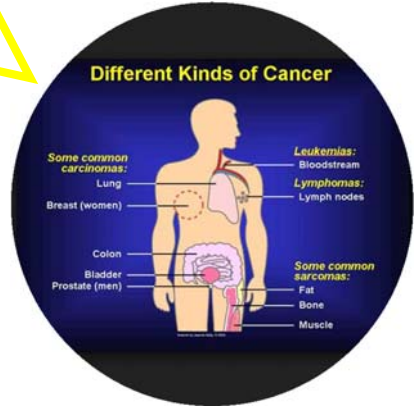
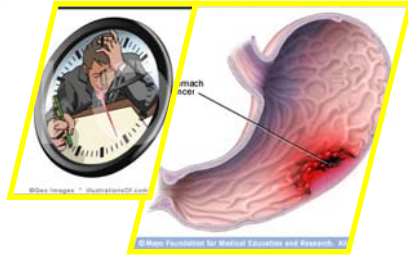
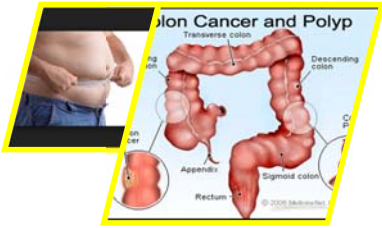
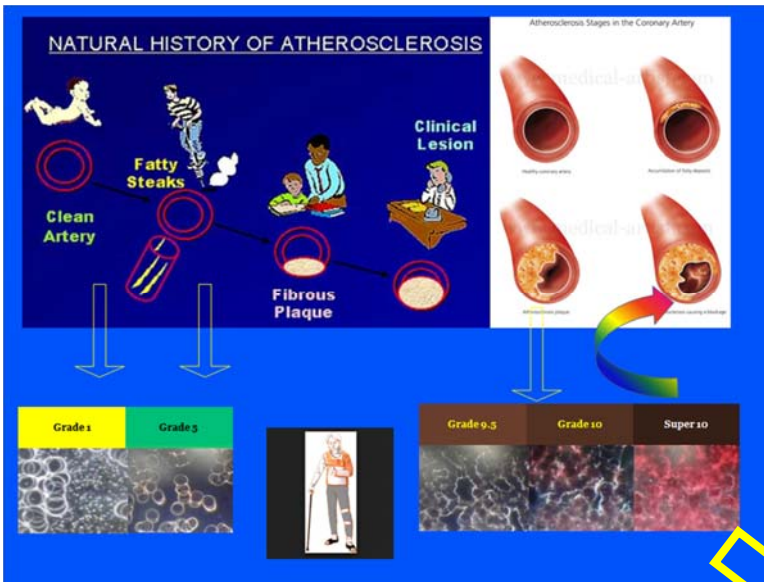


少陰人 - 겨울체질 비만

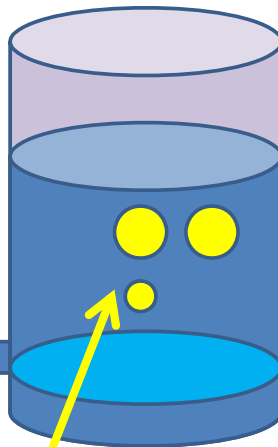
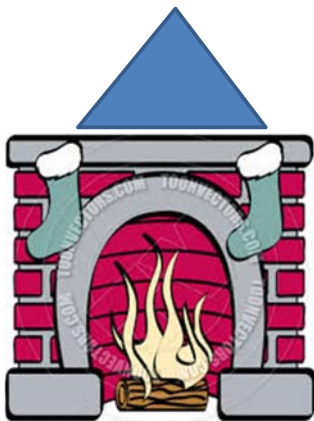


Lipid metabolism

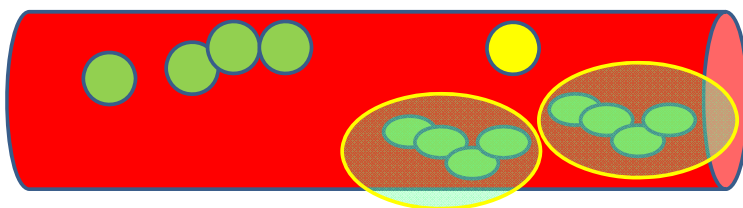




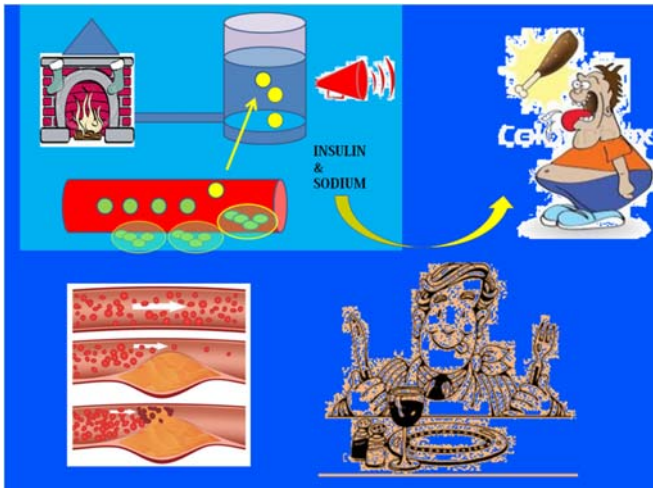
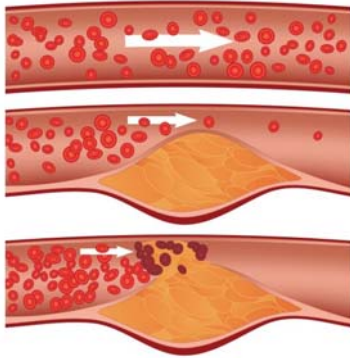
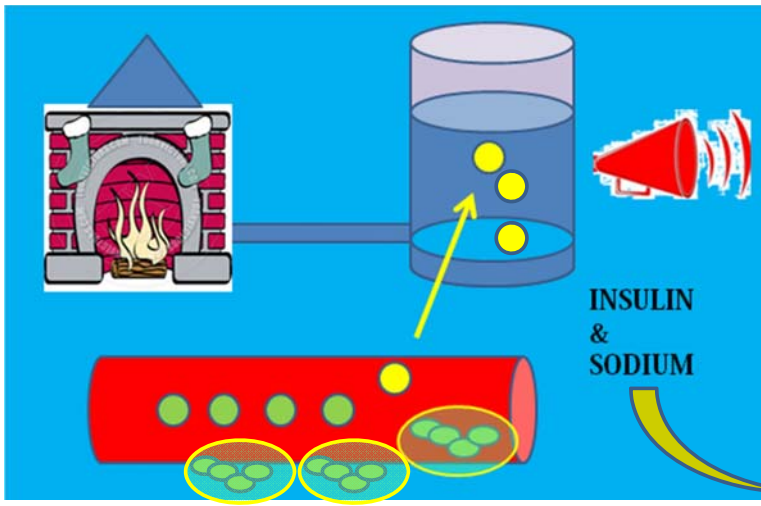
INSULIN & SODIUM



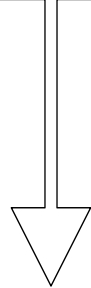
INSULIN &
SODIUM



food



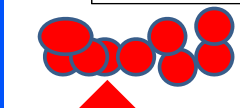
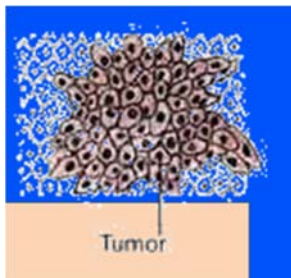
Lipid 지방/ 복부살



Inflammatory change
소금농도가 낮을때는
염증성반응



Neutrophil infiltration 70 개이상

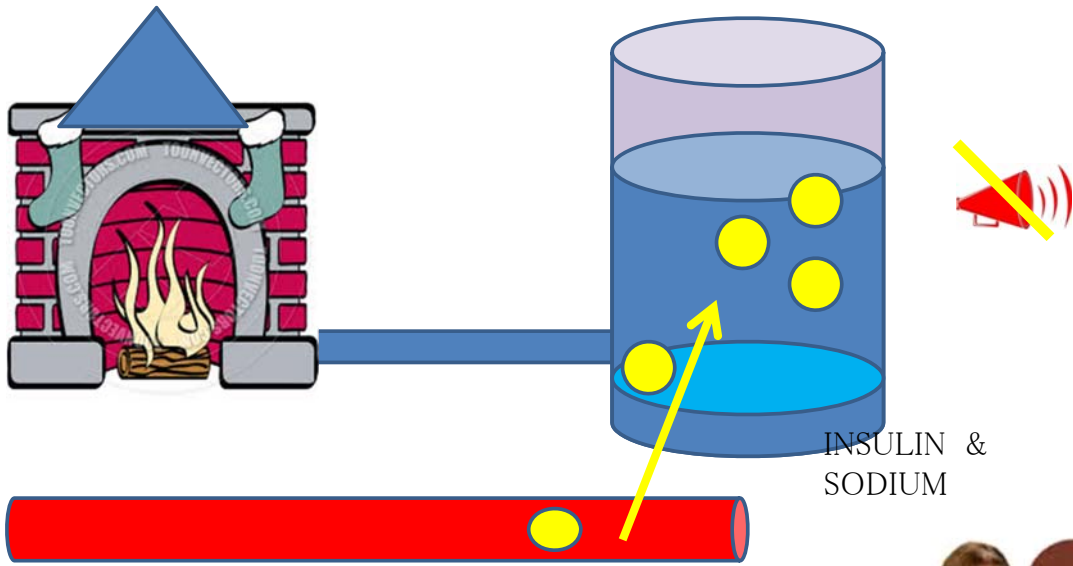


SEG. NEUTROPHIL

LYMPHOCYTE



면역이 약해지면
lymphocyte 가 20
개 이하로 줄어듦



Meat -мясо			
Spring type	Summer type	Autumn type	Winter type
весний тип	Летний тип	осенний тип	Зимний тип
Lamb/баранина Quail/перепел	Pork /свинина Camel/верблюд	Beef/говядина Goose/гусь Duck/утка Deer/олень Bear/Медведь	Goat/коза Chicken/курица Egg/яйцо Horse/лошадь Snake/змея

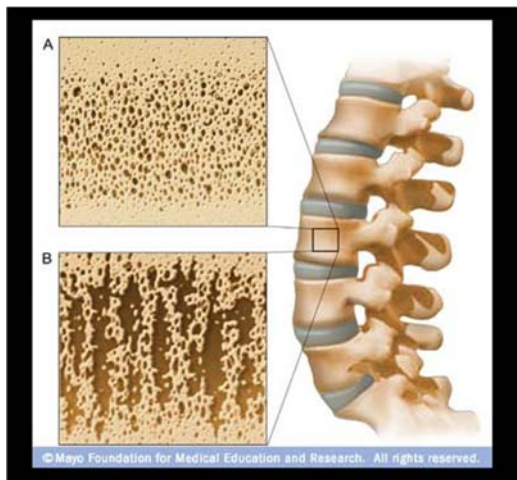


Fish-рыба			
Spring type	Summer type	Autumn type	
весний тип	Летний тип	осенний тип	
Porgy/морской окуни Bream fish/Лещ рыба	Halibut/палтус Flatfish/камбала Pompano/трахинотус/전갱이 Blowfish	Shark/акула Pollack/сайда Codfish/треска Monk fish Sturgeon/осетр	Swordfish/рыба-меч Pacific saury/сайры Hairtail fish Salmon/лосось Tuna/тунец Yellow tail/желтохвост/황새끼 Mackerel/скумбрия/고등어 Spanish mackerel/испанская макрель Anchovy/анчоус



Hormonal therapy and osteoporosis

Osteoporosis

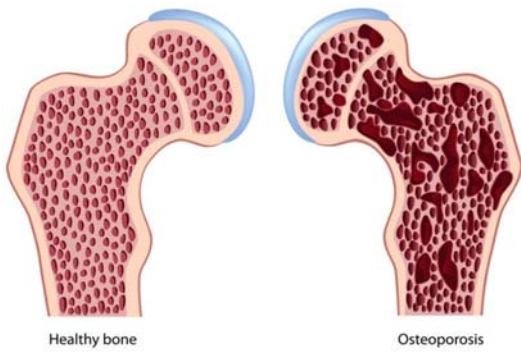


After your mid-30s, you begin to slowly lose bone mass. Women lose bone mass faster after menopause, but it happens to men too.

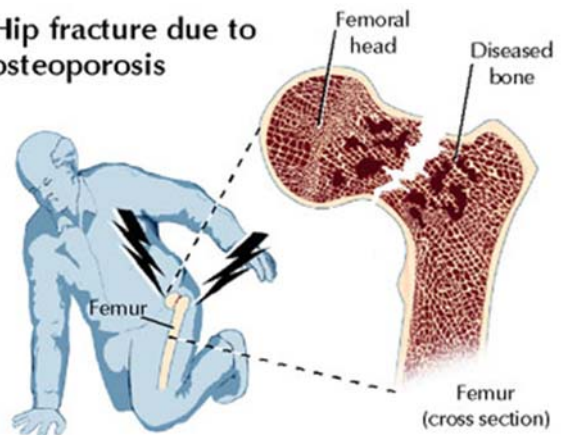


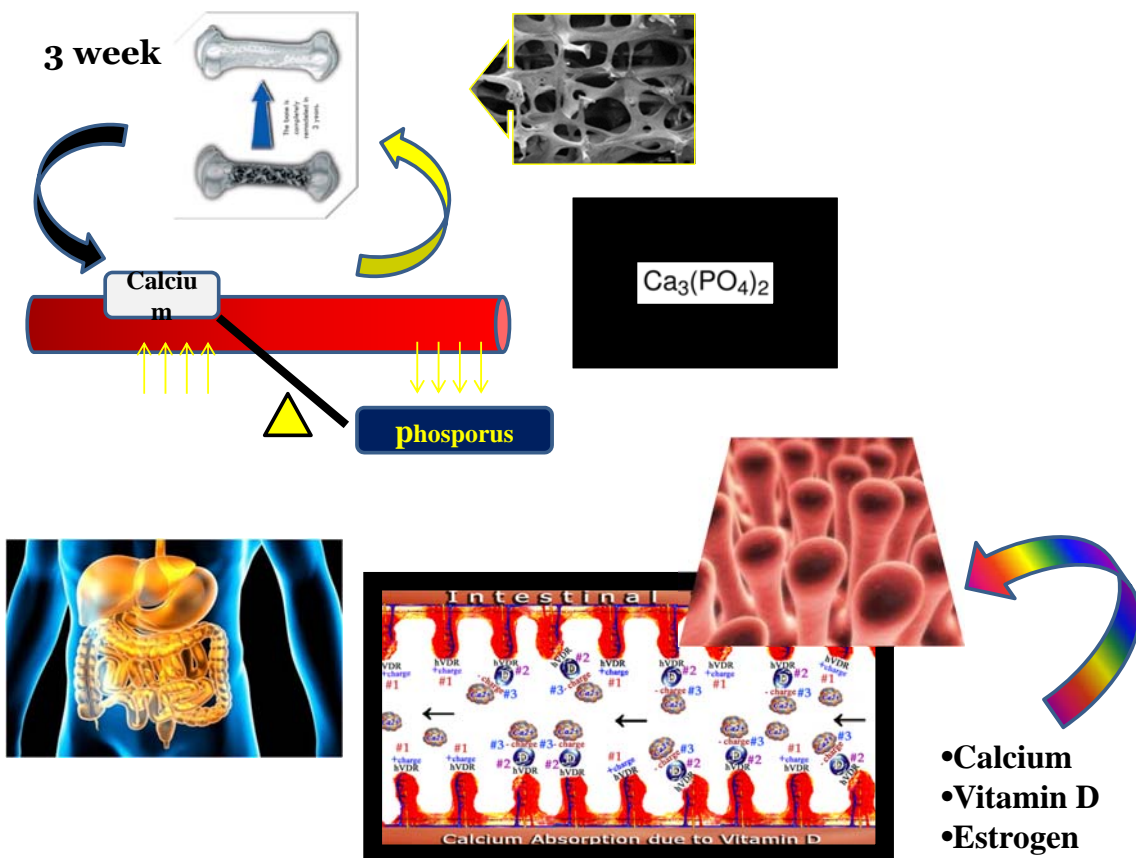
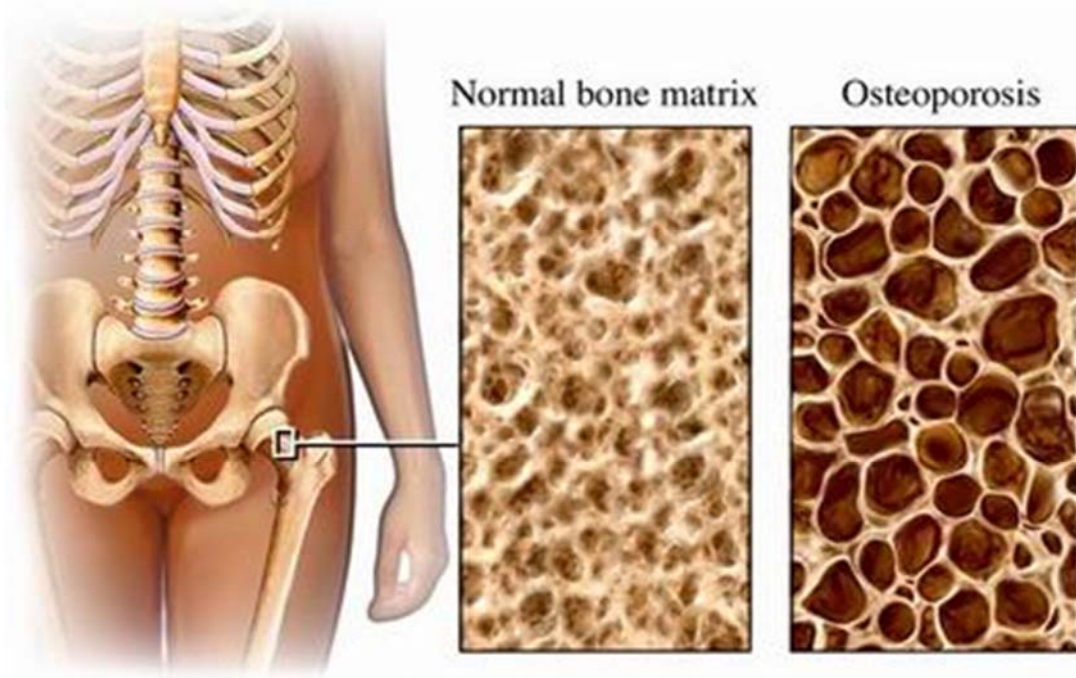
Source: U.S. Office of the Surgeon General

Osteoporosis



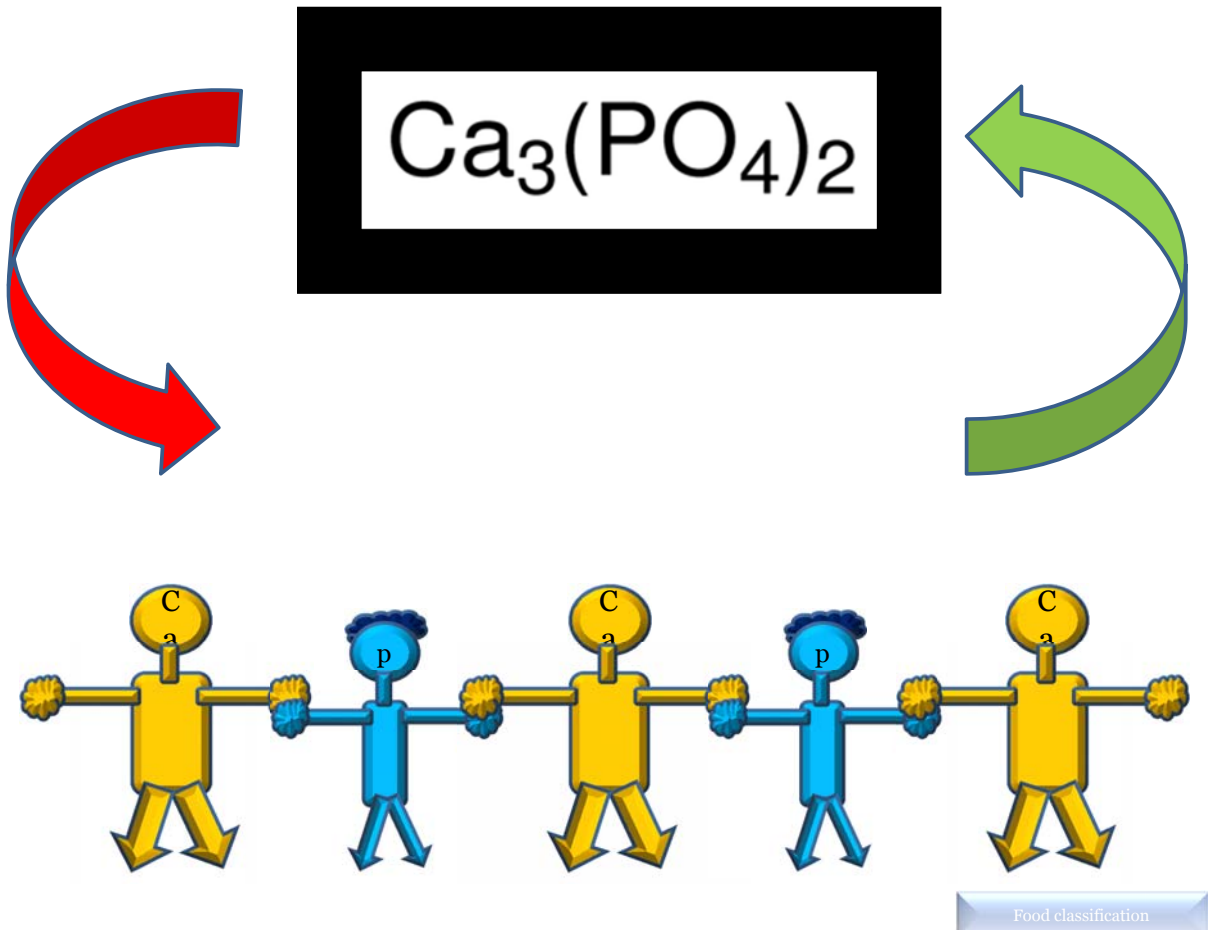
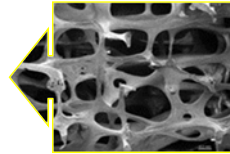
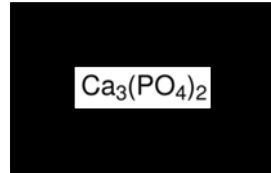
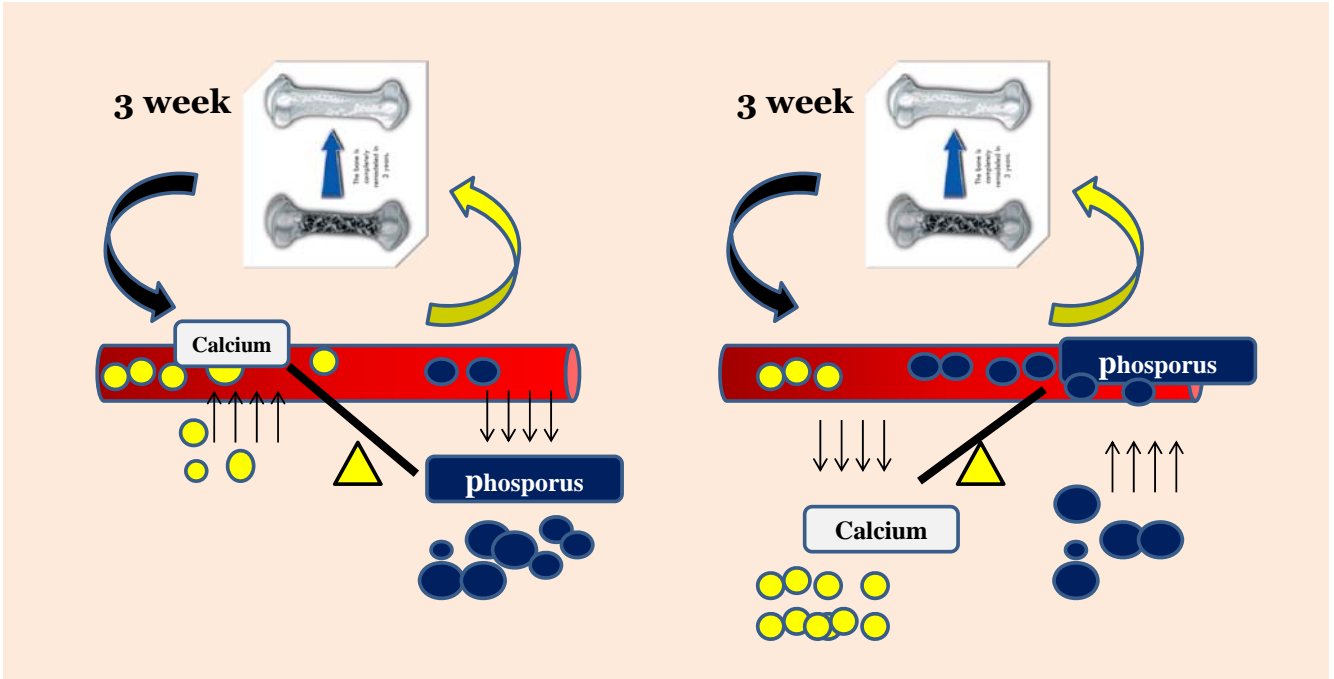
Hip fracture due to osteoporosis



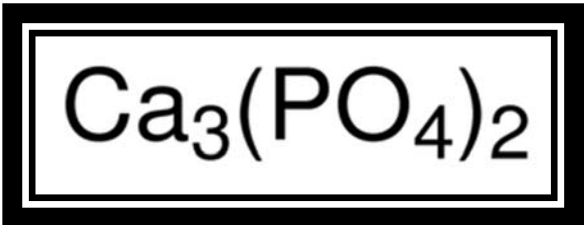


태양인 소양인

태음인 소음인

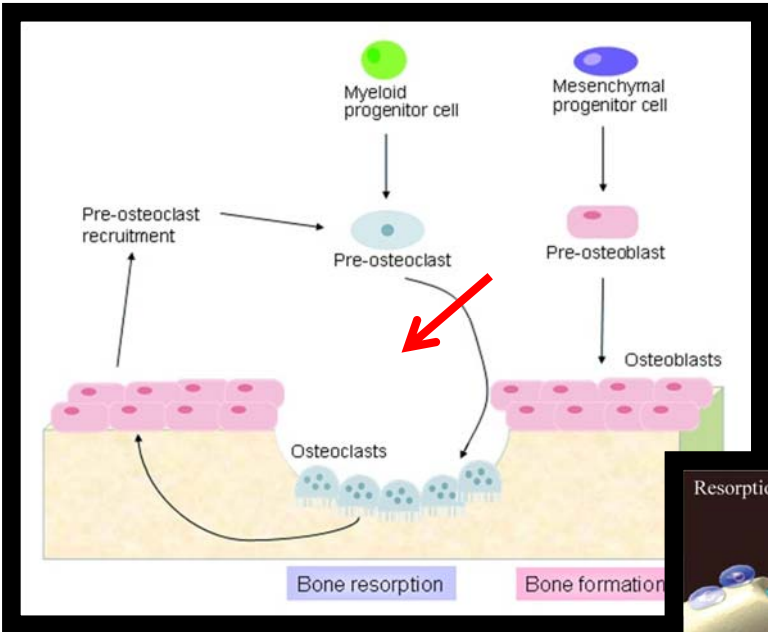
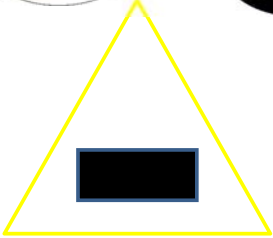
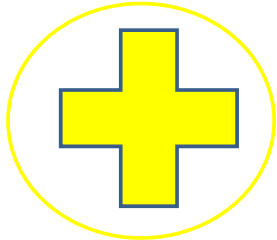


Food classification



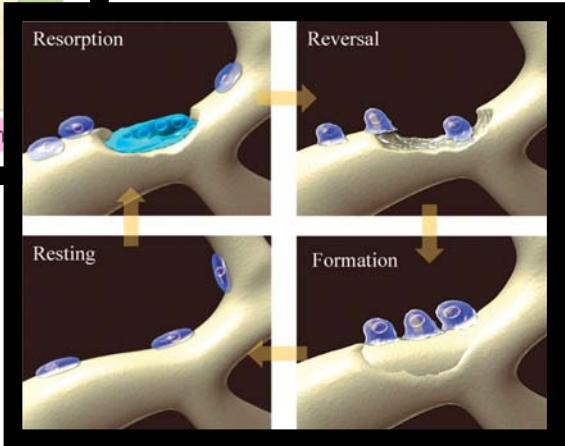
Calcitonin

Pyto-Estrogen



골생성
Osteoblast

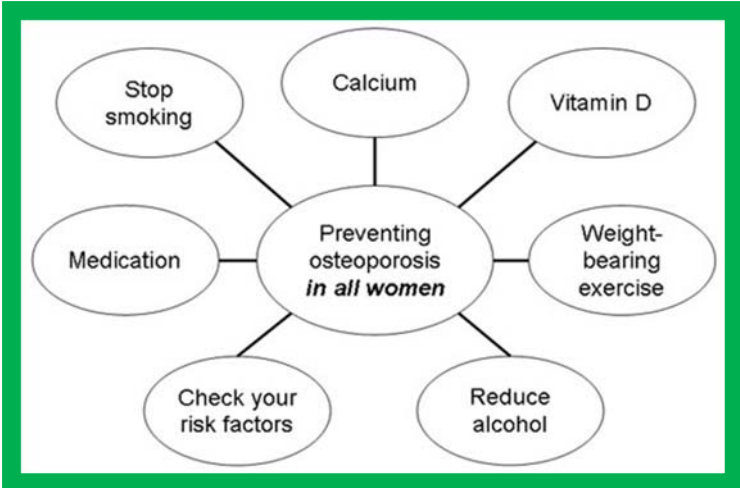
골소실
Osteoclast



Causes

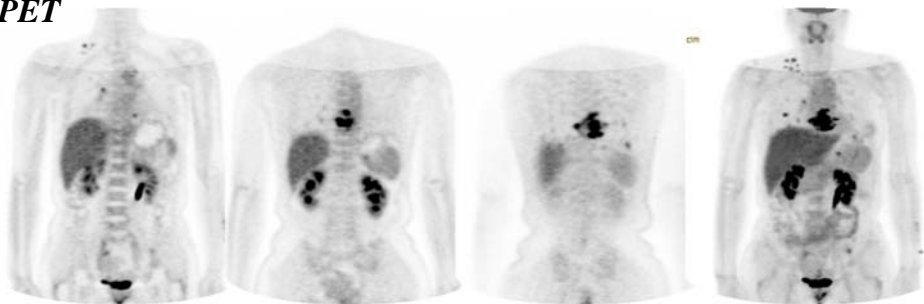
There are many factors contributing to the formation of osteoporosis such as:
A thin, small-boned frame
Smoking of cigarette
Low calcium diets
Alcoholism
Aging
Genetics
Previous fracture
Menopause
Prolonged usage of certain medications i.e. Ones to treat asthma

- Vitamin A & calcium
- Vitamin D & calcium
- Estrogen & calcium
- fosamax



2012/12/4 PET 2013/1/24 PET 2013/4/29 PET

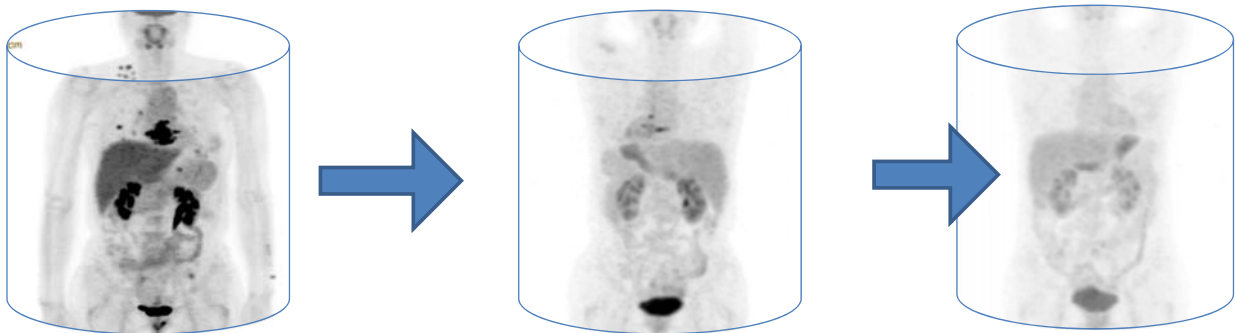
2012. 12. 4 PET



2012. 12. 4 PET

2013. 1. 24 PET

2013. 4.29



After CMF and MSB0052 . Calcitonin . 2 month

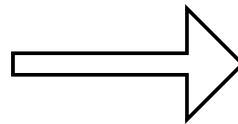


Calcitonin



Pyto -Estrogen

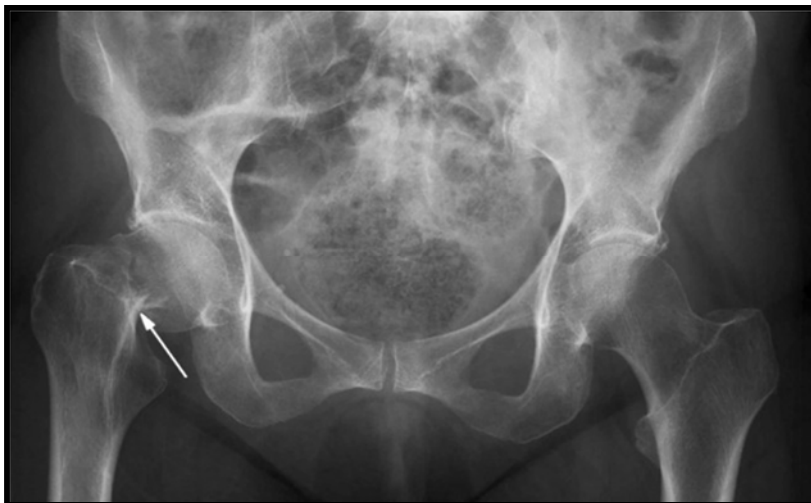
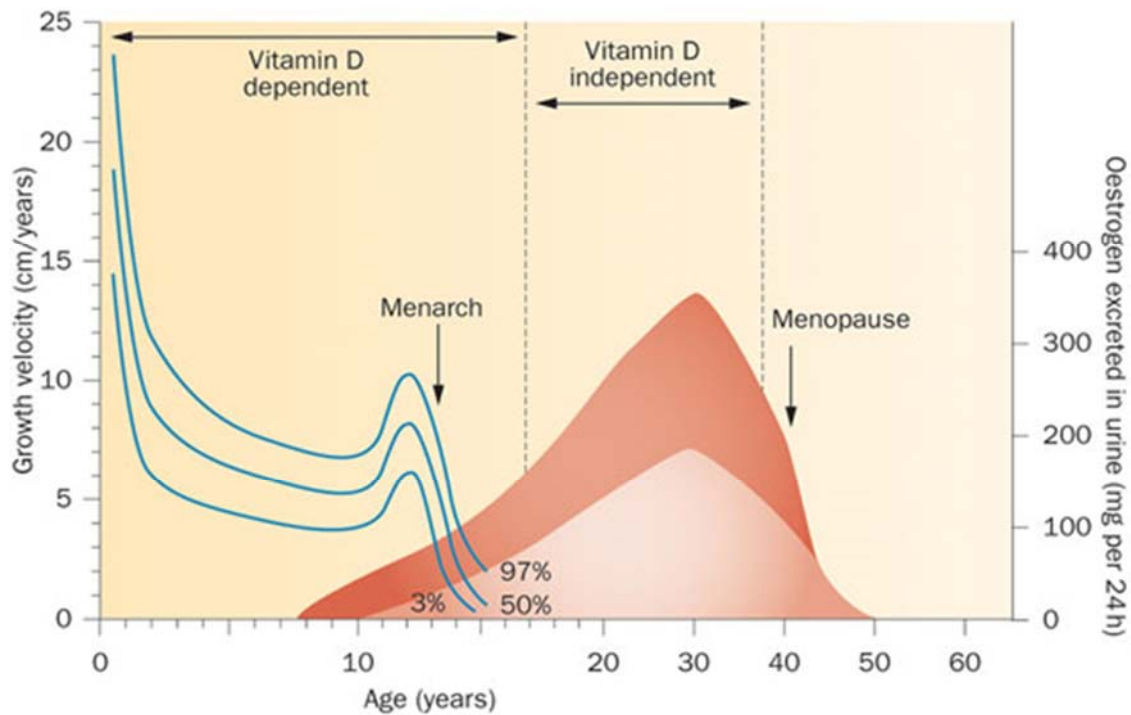
Vitamin D Supplements Provide No Benefit to Healthy Bones in Adults, Says Study



VITAMIN D
 는
 태양인에게만
 이롭고
 기타체질에게도
 오히려 안될뿐더러
 소양인 태양인은
 문제를 일으킨다.



Artistic rendition



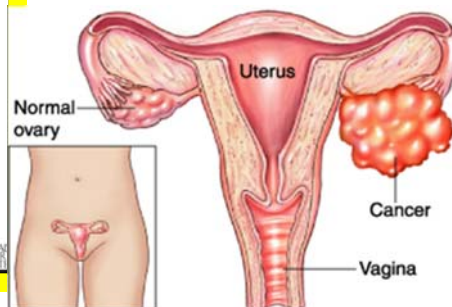
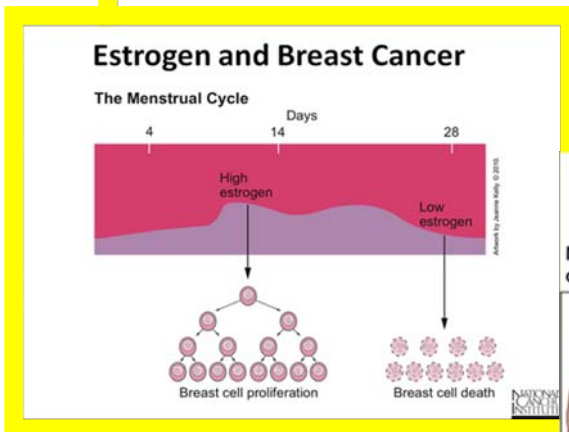
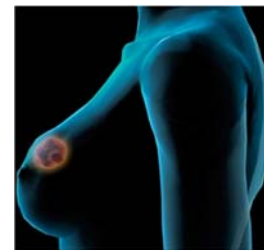
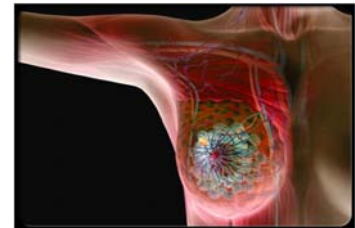
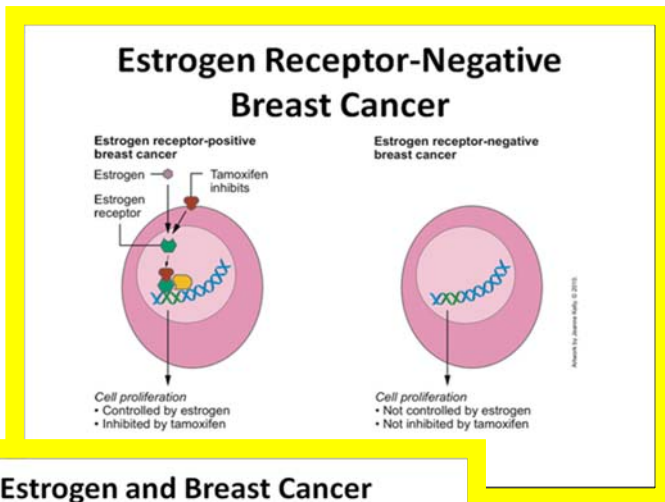
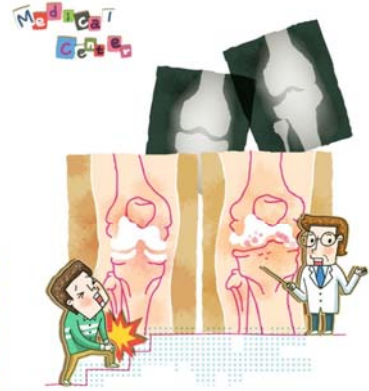
Vitamin D 는
 장에서의 calcium 흡수를
 돕고 . 자외선에 노출이 안되
 는 환자들에게는
 꼭 필요하지만
 지나친 비타민D 의 흡수는
 오히려 골감소를 일으키고 간
 과 신장에 해를 준다.

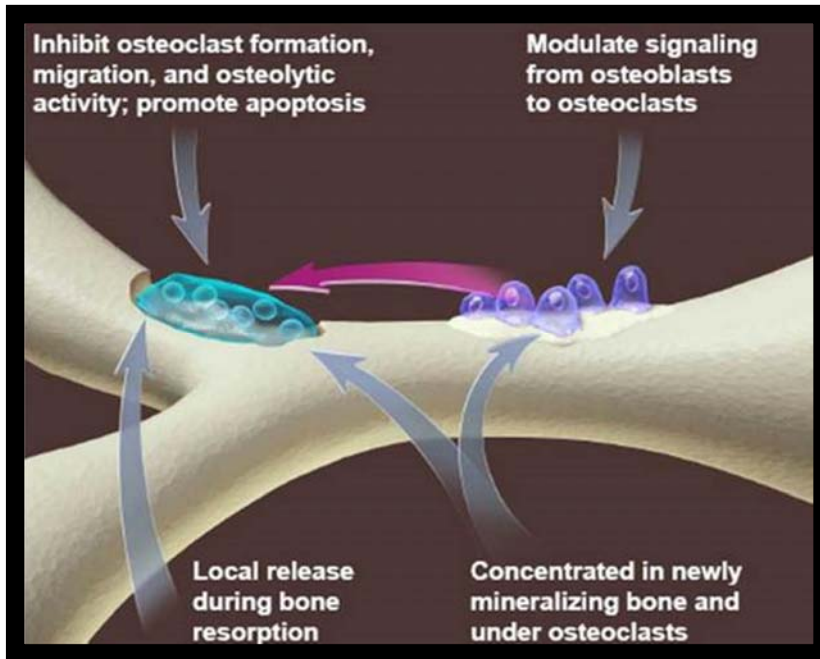
태양인 소양인에게
 문제를 일으킴

Vitamin D Supplements in "At Risk" Groups

Reid accepts there are certain at risk group that require these vitamin D supplements, particularly those who receive limited exposure to sunlight; this includes people who inhabit areas with infrequent sunlight, as well as those who wear veils and work indoors for protracted periods. In addition, Reid singles out the elderly and infirm as particularly high risk groups, as well as people with darker skin.

X-ray showing the osteoporotic hip fracture in an elderly patient. Vitamin D supplements are recommended for ageing patients with low bone density, who may be at risk from these breaks. Individuals who purchase these supplements should also be aware of the impact of taking excessive quantities of vitamin D. **Vitamin D is required within the bloodstream in sufficient quantities to promote absorption of calcium in the gut and resorption of bone, using cells called osteoclasts. However, excessive levels of vitamin D within the blood can actually cause bone density to wane, and can also potentially lead to liver and kidney damage**





Bisphosphonates
 Bisphosphonates are a class of medications that can prevent loss of bone mass. Bone is replaced on a cellular level quite often. Certain cells help in this process such as: **osteoblasts** and **osteoclasts**



Is Fosamax Recall Possible?

Posted by [fosamaxfracturerecall](#) on May 11, 2011 at 9:38 AM

[comments \(0\)](#)

I RISK JAW DEATH AND CANCER BUT MY BONES MIGHT BE STRENGTHENED?

WHEN THE DRUG WORKS—YES

FOSAM

©2009 Martha Rotenberg

Photo Source: [dissidentvoice.org](#)

A lot of people especially those ones who suffered from injuries caused by Fosamax are now hoping that the drug will be recalled. They believe that the drug's non-forewarned side effects is a major basis and evidence to pull out Fosamax from the Market.



Judge: Damages in Fosamax Side Effects Case "Excessive"

October 15, 2010, 05:00:00AM. By Charles Benson

New York, NY: A federal judge recently ruled that an \$8 million damage award in a case involving Fosamax side effects was "excessive."



US District Judge John F. Keenan in Manhattan said that Shirley Boles could either have a new trial or accept a \$1.5 million award for the most reasonable Merck & Co.'s osteoporosis drug, according to the judge.

"The \$8 million verdict is more likely explained by a jury out of touch with the amount of money that would reasonably compensate plaintiff for her injuries, than a jury seeking to punish Merck," the judge said.

READ MORE FROM

- Add Atrial
- Fosamax
- Dentists V

The 72-year-old Boles claimed in her lawsuit that Fosamax caused her to develop osteonecrosis of the jaw.

Merck's attorneys said they were unhappy with the original jury verdict.

"We disagree with the jury's verdict and will vigorously defend against plaintiff's claim," said Merck's attorneys at Venable LLP, the firm that represented Merck. "We believe the verdict was contrary to the law and was heavily influenced by plaintiff's counsel's inflammatory and prejudicial arguments."

Merck is currently facing more than 900 Fosamax lawsuits nationwide. The case was considered to be a bellwether, according to the news service.

Osteonecrosis from Bisphosphonates



Osteonecrosis of the jaw, Magliari, J Clin Onc 2003; 21:4253-4



판사 : Fosamax의 부작용 사례의 손해 "과도한"

2010년 10월 15일, 5시 0분 0초 오전. 에 의해 찰스 벤슨

뉴욕, NY : 연방 판사는 최근 포함한 경우 8 백만 달러의 피해 상 판결 Fosamax의 부작용이 . "과도한"이었다



맨해튼에있는 미국 지방 법원 판사 존 F. 키넨 שלי 나무 풀기 하나를 새로운 시도가 있거나 받아 들일 수 있다고 말했다에 따라 머크의 골다공증 약물을 둘러싼 사건에 대한 1백50만 달러 상, *월스트리트 저널*.

"8백만달러 판결은 가능성이 합리적으로 머크를 처벌하고자 하는 배심원보다 그녀의 부상 원고를 보상 할 금액과 터치의 배심원에 의해 밖으로 설명하고 있다"판사가 말했다. 72 세의 나무 풀기 주장 포사맥스 그녀가 그녀의 턱 과사, 뼈 죽음을 일으키는 조건입니다. 개발에 의한 것이 그녀의 소송에서 머크의 변호사들은 원래 배심원 판결에 불만이 있다고 말했습니다. "우리는 배심원의 판결에 동의하지 않습니다. 배너 블 LLP의 폴 스트레인, 머크를 대표하는 회사이다. "우리는 판결이 재판에 제출하고 원고의 권고의 영종과 편견 발언에 의해 영향을 근거로 반대했다 생각합니다." 머크는 현재 약물 과사를 일으킬 수 있다고 주장하고 나무 풀기 사건은 주모자로 간주 된 900 개 이상의 포사맥스 소송에 적면, 뉴스 소스에 따라.

더 FOSAMAX 법적 뉴스보기

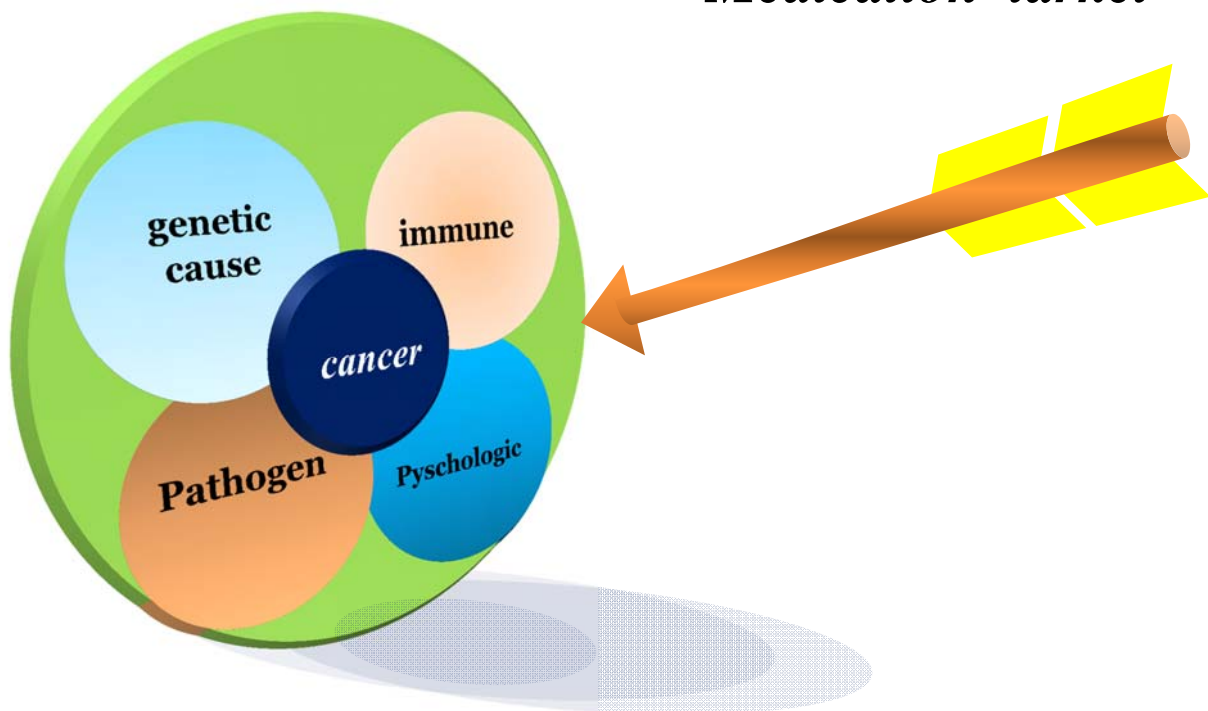
- 포사맥스시의 목록을 심방 체동을 추가합니다 ..
- 포사맥스는 화해 없게?
- 치료 의사는 포사맥스에 대해 환자에게 경고

Sasang typology and pharmacogenomics

function of medication

constitutional

Medication tarket



Development of genome technique & genome map

*By checking the receptor .
More effective and lesser
harmful*

*Toxic &
effecitve or
harmful*

Gene manipulation techniques

PROTEIN KINASE
INHIBITOR

Chemodrugs



Completion of the genetic map is only beginning
of pharmacogenomics.

Completion of
genetic map is
just beginning
pharmacogenomics



Which medication
is match up to which
Gene , which individual



from ready made change into tailored medicine



*from
statistics
change into
individual
constitution*

**Pharmaco-
genomics**



**Korean traditional medicine can be bridge
of gene type and medication matching**

**4 types
typology**



Research

- *My cases (especially about stage IV. Pancretic, cholangio, and GB cancer) were studied statistically*
- *by AJU medical university radiologic and oncology parts, and the researches were funded by the South Korean Ministry of health and Welfare (2010).*
- *Four Universities in South Korea are doing Researches about My herbal medications MSG0500 and MSB0052 know.*
- *And the researches are funded by South Korean Ministry of Health and Welfare (2012- 2016).*
- *The Universities are getting about 1.5 million dollars fund.*

Conclusion

Sasang Medicine (four types typology) can be the key to modern pharmacogenomics because it can match human types and specific medications. It can also help predict the effects of certain medication on patients.

My phenotyping method needs further science-based research, and I'm open to any suggestions and scientific perspective.

“ Thanks for listening “

*Sasang typology
can be the key of Pharmacogenomics*



*Gift to Western medicine
Which could find out the
key of genetics and
medication matching*