



1846

.1863

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(1833-1896

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)

( )

(

19

1864

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( )

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1494

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1770

"

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(rubber)

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( )

1856

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1834

....

( )

1938

235

UF6

250-270

( )

)

**Pressure**

**Explosives**

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(1)

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(2)

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**11000**

. **10000**

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**1600**

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( )

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. %99  
64 -30  
%3 %1 7  
%10 1986 1996  
1987  
1988 %50-40  
%20

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:

( )

( )

( )

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>

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)

.

7%

### Melanoma

47 1987

1999 1990

80

1989 1989

11

( - - - ) 24

1989

1989

750

350

1985

200

18-

15+

. 3 3

- :

.CO<sub>2</sub>

CO<sub>2</sub>

4.5- 2.5

5.5 - 1.5

3 -1.5

20

%7..

345

260

. 1984

.....

. 2050

65

20

2030

50

: ...1988

CO<sub>2</sub>

37

. CO<sub>2</sub>

24

c

5.66

CO<sub>2</sub>

CO<sub>2</sub>

CO<sub>2</sub>

%3

1988 - 1983

1983 - 1973

1973 - 1950

1973

:

-1

500

-2

-3

25 %

% 80

% 50

20

1988

2005

%

:

:

:

:

90 %

% 73

100

% 500

%2

550

400

%10

2010

%75

18

7

:

.(

25

500

1980

(Hg<sup>2+</sup>)

( )

( )

" "

.EDTA



## Omega-3

**Allium sativum :**

..

..

:

. **61-66%** -  
 . **- 3-5.5%** -  
 . **- 23-30%** -  
 . **- 3.5%** -

**(Alliin)**

**(Allicin)**

**(Alliinase)**

**(Selenium)**

**(Scordinins)**

-  
-  
-  
-

**cysteine**

**alliin diallyl**

**allinase**

**disulphide oxide)**

-

...

...

..

**1- Sulfur-containing compounds**

**2 - Non- sulfur compounds**

..  
..

..

..

-1

-2

-3

**LDL**

..

**HDL .**

**% 16**

-4

-5

-6

**7**

-7

-8

..

..

..

"

**"Serum Lipids ..**

.. "

"

**Squalene epoxidase "**

.

**Allicin**

..

..

"

**diallyl**

**Allicin**

"

**. diallyl dishulphide**

**sulphides**

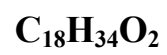
**diallyl sulphides**

.

600 300

400

800



)

:

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:

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:

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:

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:

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: .

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..

**%80**

**(HDL)**

**(LDL) ...**

**E**

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**E & B1 & A1**

:

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:

-

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:(

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-

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**8 " 1997**

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**Week to optimum health " 8 "**

1999 20 ( )

100.000 41

!!!"

{ } :

**Mono**

**Unsaturated**

" "

**. Virgin Oil Extr**





**% 25**

**(HDL)**

**Infectious diseases in Children**

**1998**

**12**

**Hebrew University**

Pyrethium .

Permethrin

(ShowerCap )

2000

Helicobacter Pylori

40

1996

" (Monounsaturated Fats ) .

"

1999

(Am J clin Nutr )

145

108

( )

:

:

:

):

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( )

( (

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( )

-

( ) -

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( )

( )

( )

( )

.( )

76

" "

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40

% 30

. % 10 ( )

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« »

**Free-Radical**



(Aspirin)

...

### Chemotherapy

...

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..

.

(prostaglandin's)

.

.

:

Salicylates

Non-Salicylates

.

Salicylates

( - - )

:

Diflunisal ( Salicylate) ( Trisalicylate )

. ( Salicylate) ( )

Non-salicylate

:

( - - - )

(Paracetamol)

.

4

50

(ASA)

% 37.6

.% 13.8

324

$C_9H_8O_4$

$CO_2$

$NaOH$

$C_6H_5OH$

$H_2$

$CH_3COOCOCH_3$

(

( )

)

(Salix Alba)(

فمن أول العقاقير التي استخدمت لمقاومة الآلام مشتقات حامض الساليسيليك.. والمستخلص من لحاء بعض أشجار الصفصاف Willow يفيد في تخفيف الحمى ، ثم عزل من ذلك المستخلص حامض الساليسيليك عام 1860 م ، وتبين أن الحامض نفسه مخفف للألم ومقاوم للحمى. لكن حامض الساليسيليك مر الطعم ومهيج لغشاء الفم

..

. 1875

...

1886 Salol ) )

...

1889 (.. )

1897 Felix Hoffmann

.... 1897

Hoffmann

sodium salicylate

.

Hoffman

acetylsalicylic acid

.....

" "

....!!!

Prostaglandins

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Thalamus

Prostaglandins

cyclo oxygenase

Thalamus

Diagram of pain threshold

Acetylsalicylic acid

:

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■ ■

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0.32

:

( )

(NO)

( )

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