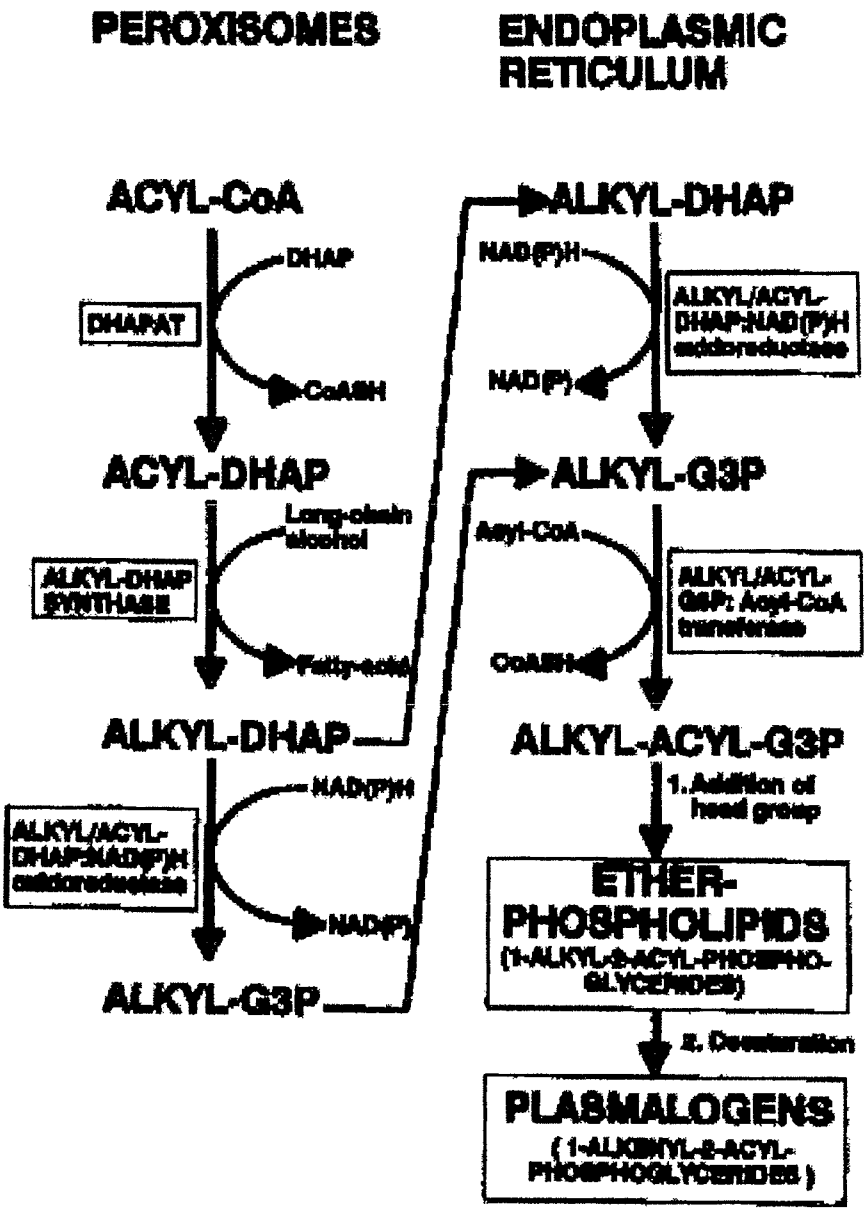

PEROXISOMES
ENDOPLASMIC RETICULUM
ACYL-CoA
DHAP
DHAPAT
CoASH
ACYL-DHAP
Long-chain alcohol
ALKYL-DHAP SYNTHASE
Fatty-acid
ALKYL-DHAP
NAD(P)H
ALKYL/ACYL-DHAP-NAD(P)H oxidoreductase
NAD(P)
ALKYL-G3P
ALKYL-DHAP
NAD(P)H
ALKYL/ACYL-DHAP-NAD(P)H oxidoreductase
NAD(P)
ALKYL-G3P
Acyl-CoA
ALKYL/ACYL-G3P: Acyl-CoA transferase
CoASH
ALKYL-ACYL-G3P
1. Addition of head group
ETHER-PHOSPHOLIPIDS
(1-ALKYL-2-ACYL-PHOSPHO-GLYCERIDES)
2. Desaturation
PLASMALOGENS
(1-ALKENYL-2-ACYL-PHOSPHOGLYCERIDES)

Figure 1

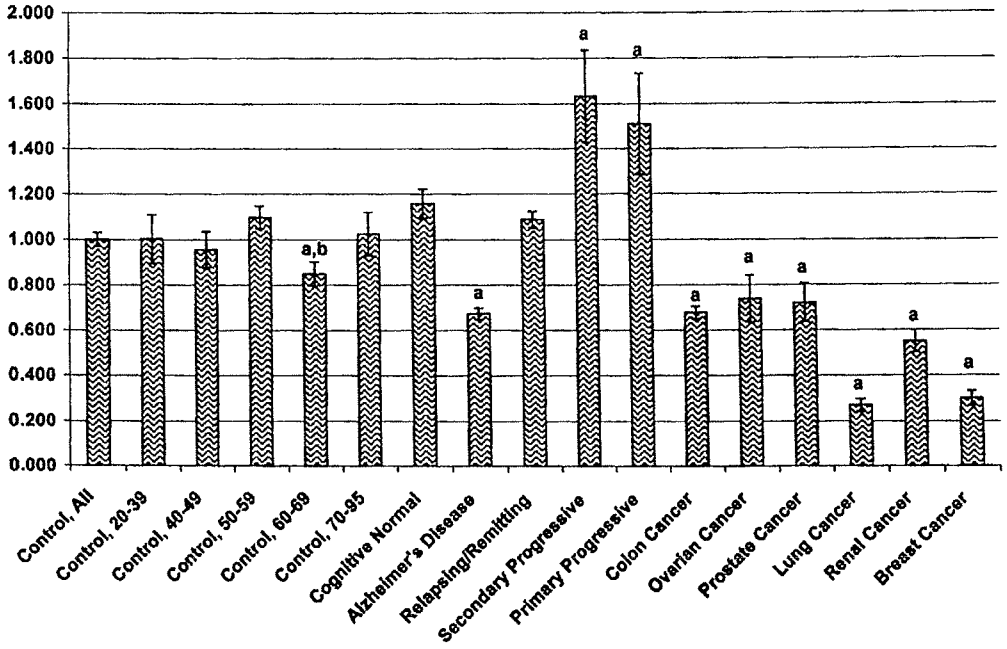


Figure 2

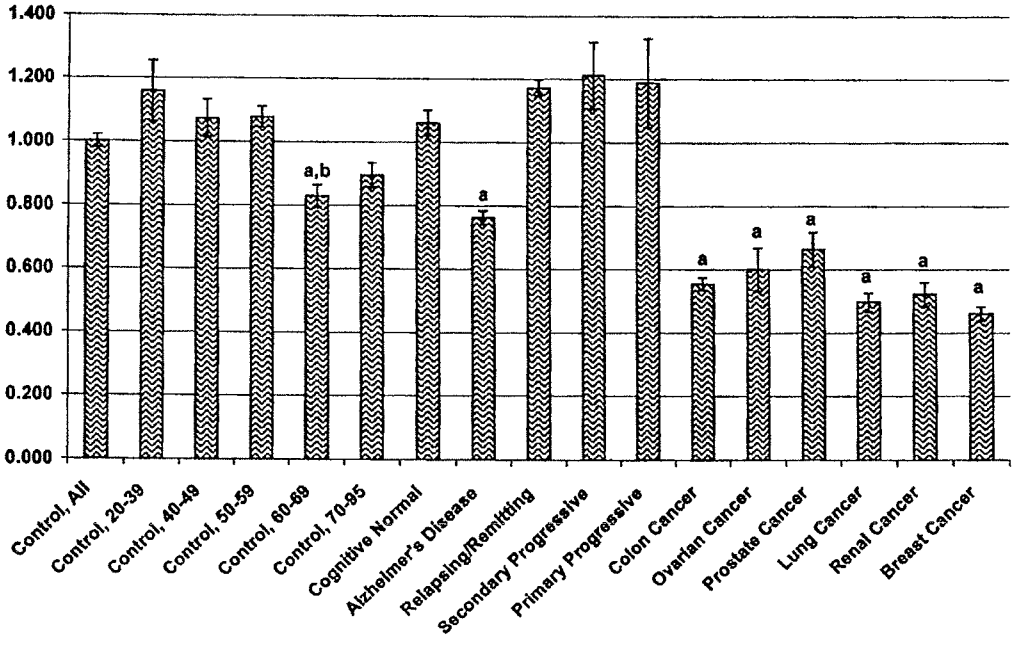


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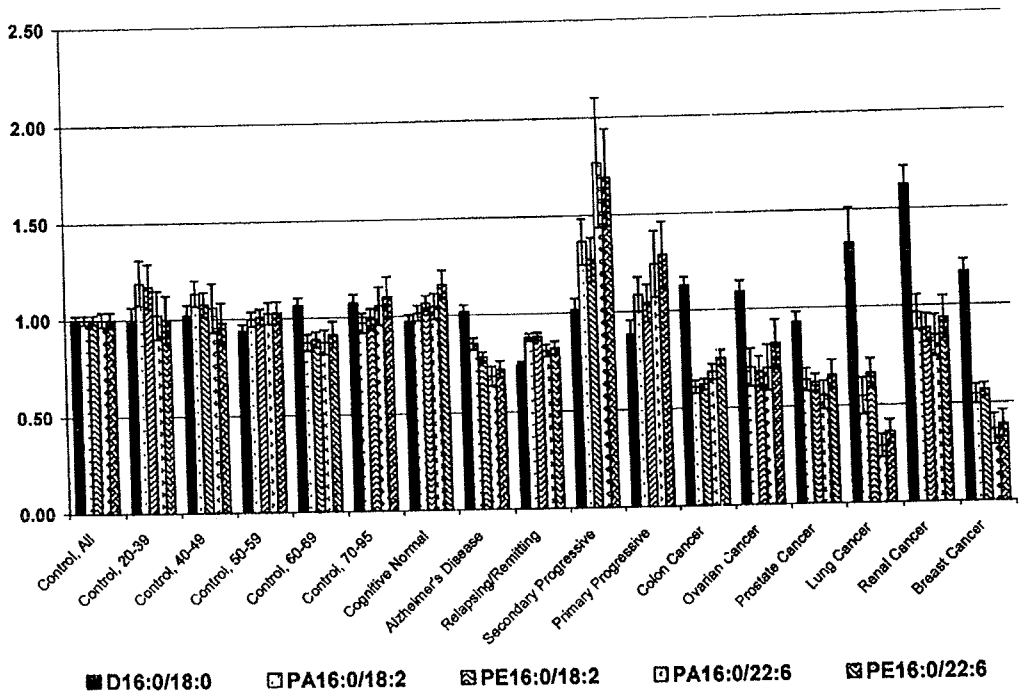


Figure 4

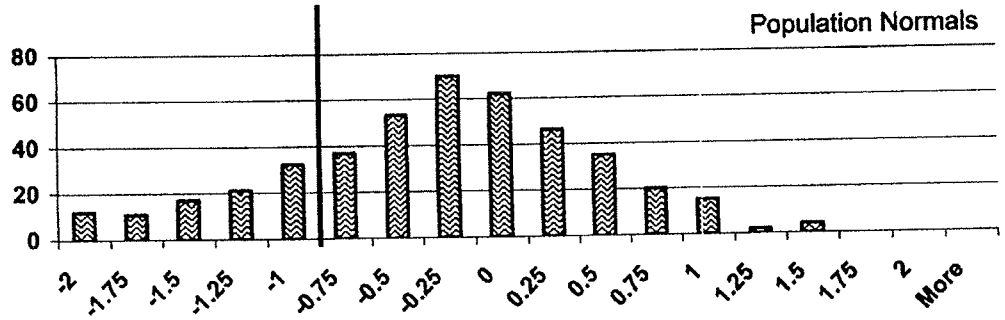


Figure 5

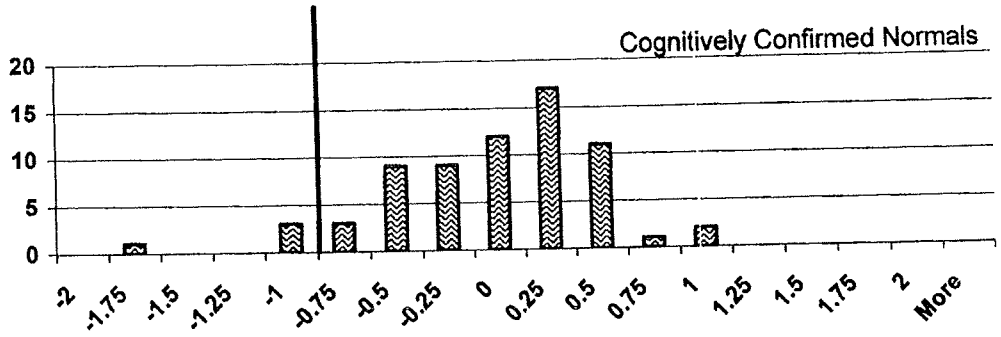


Figure 6

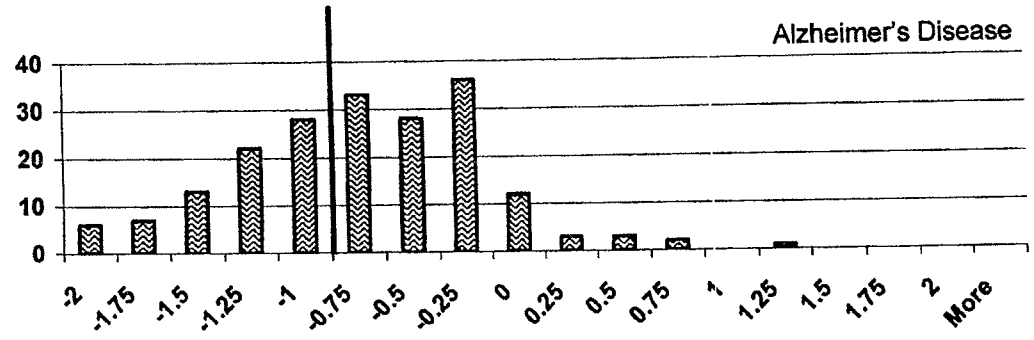


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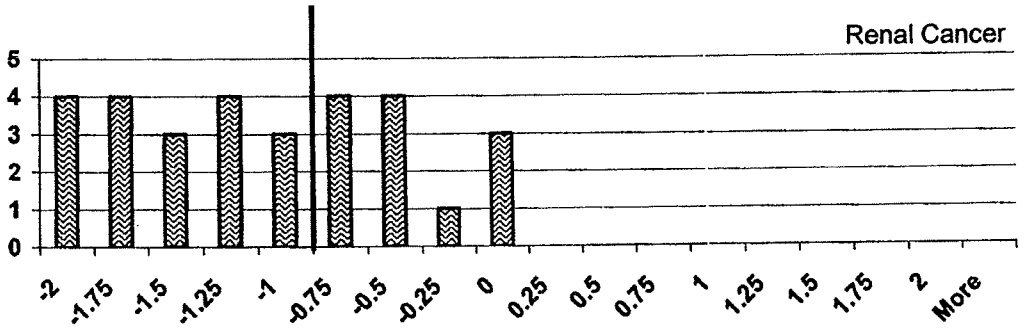


Figure 8

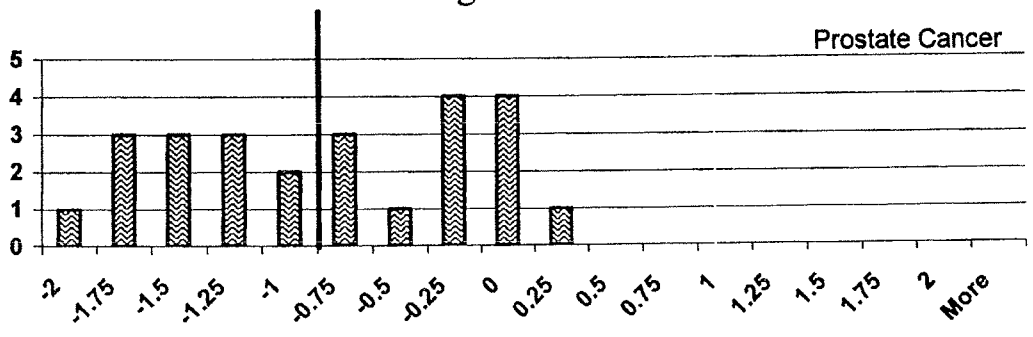


Figure 9

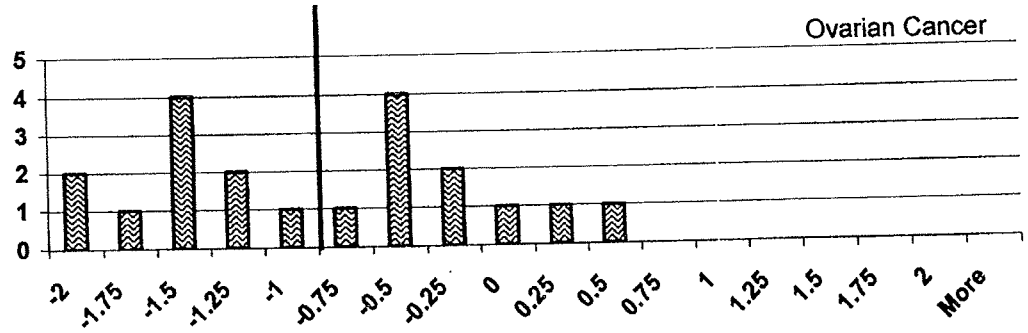


Figure 10

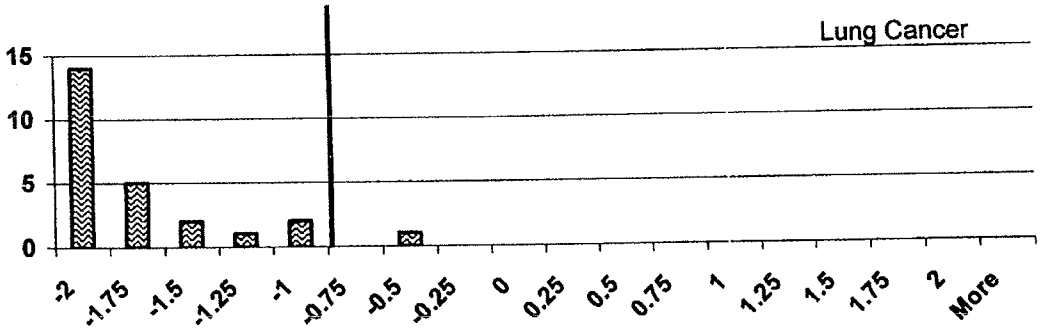


Figure 11

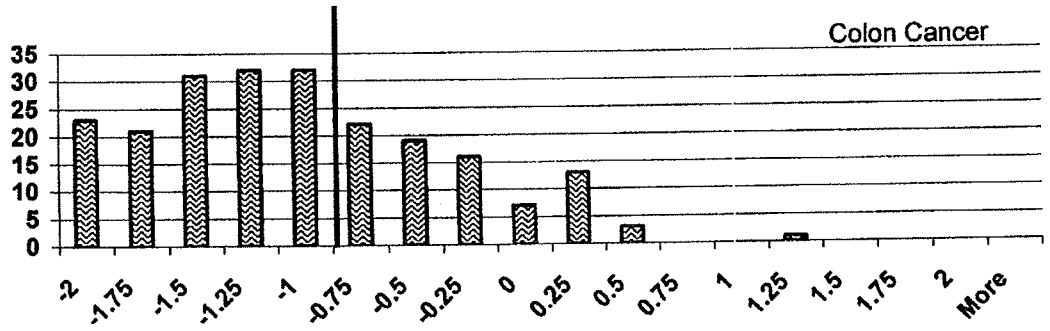


Figure 12

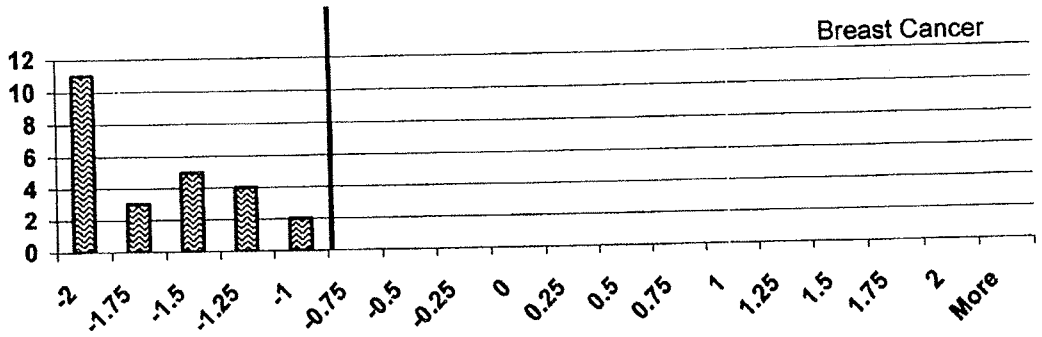


Figure 13

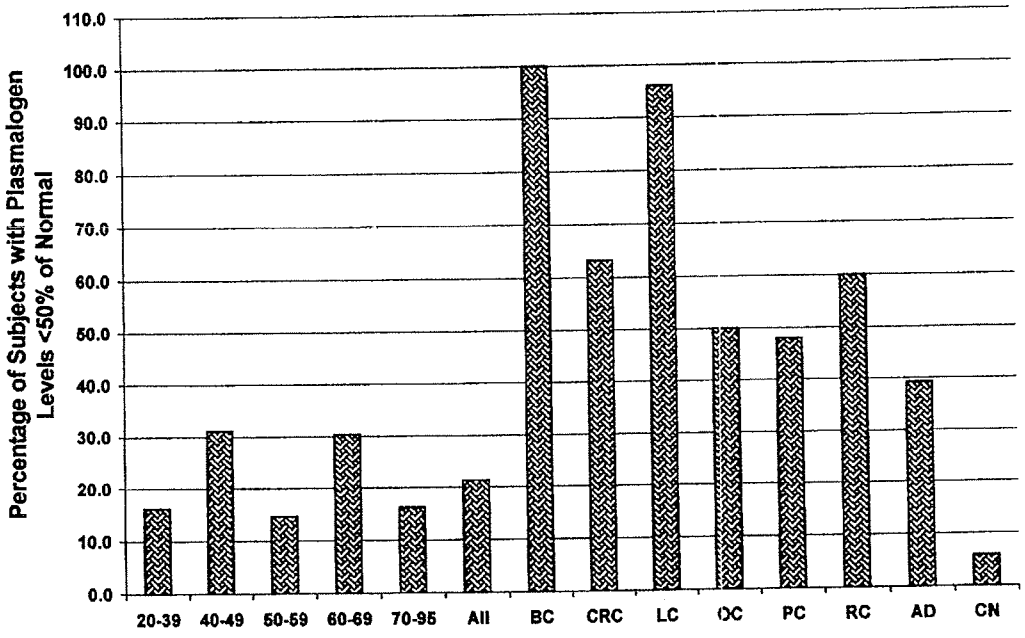


Figure 14

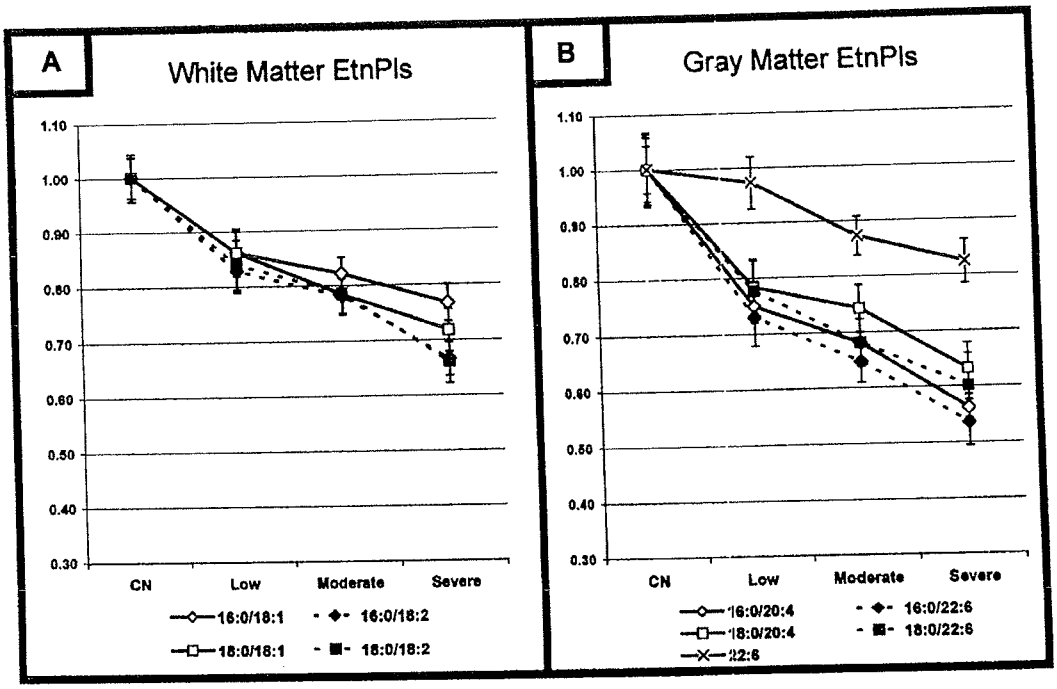

A
White Matter EtnPls
1.10
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
CN
Low
Moderate
Severe
16:0/18:1
16:0/18:2
18:0/18:1
18:0/18:2
B
Gray Matter EtnPls
1.10
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
CN
Low
Moderate
Severe
16:0/20:4
16:0/22:6
18:0/20:4
18:0/22:6
22:6

Figure 15

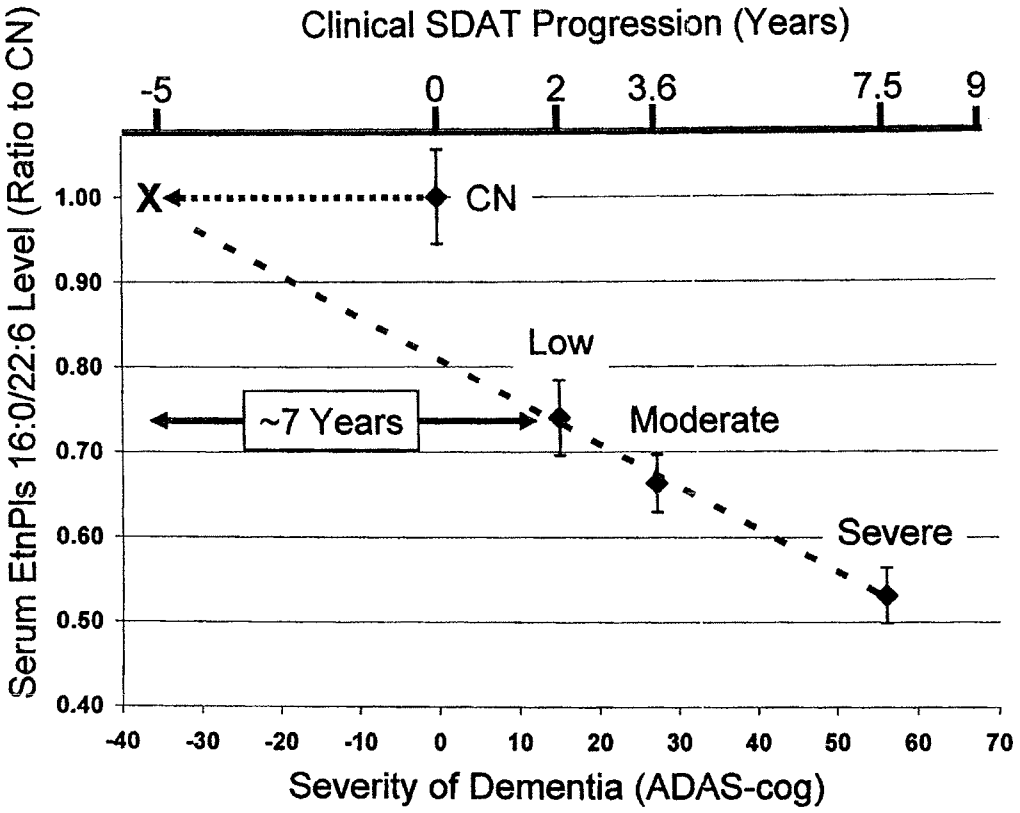


Figure 16

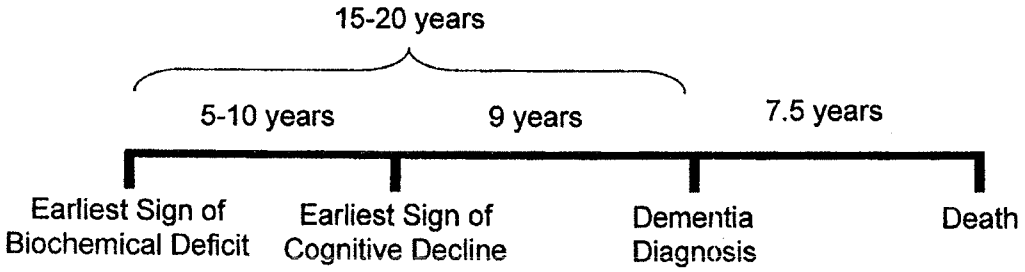


Figure 17

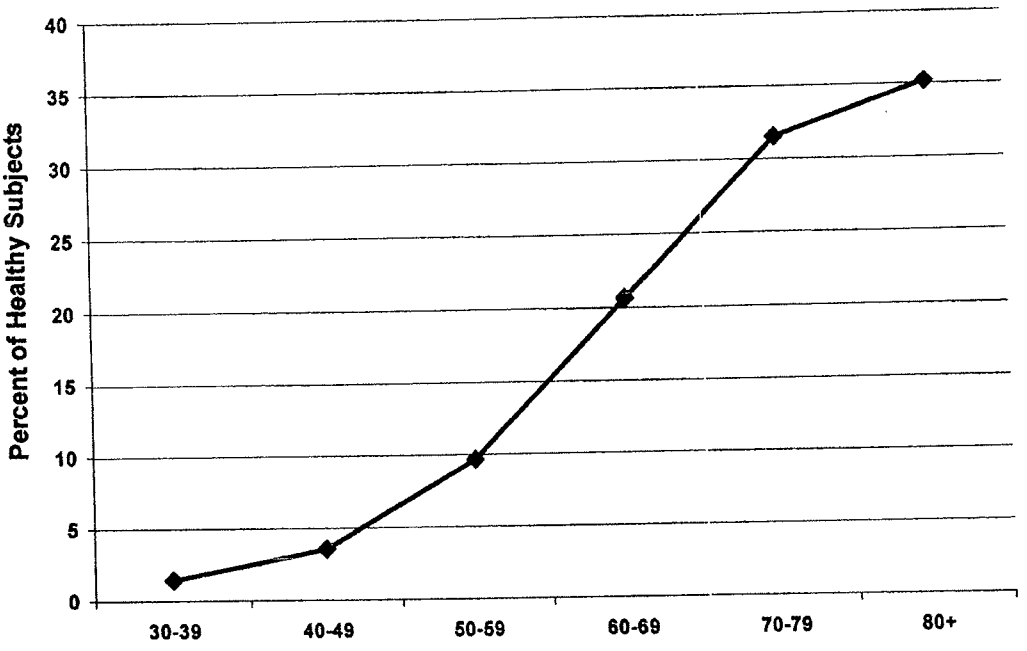


Figure 18

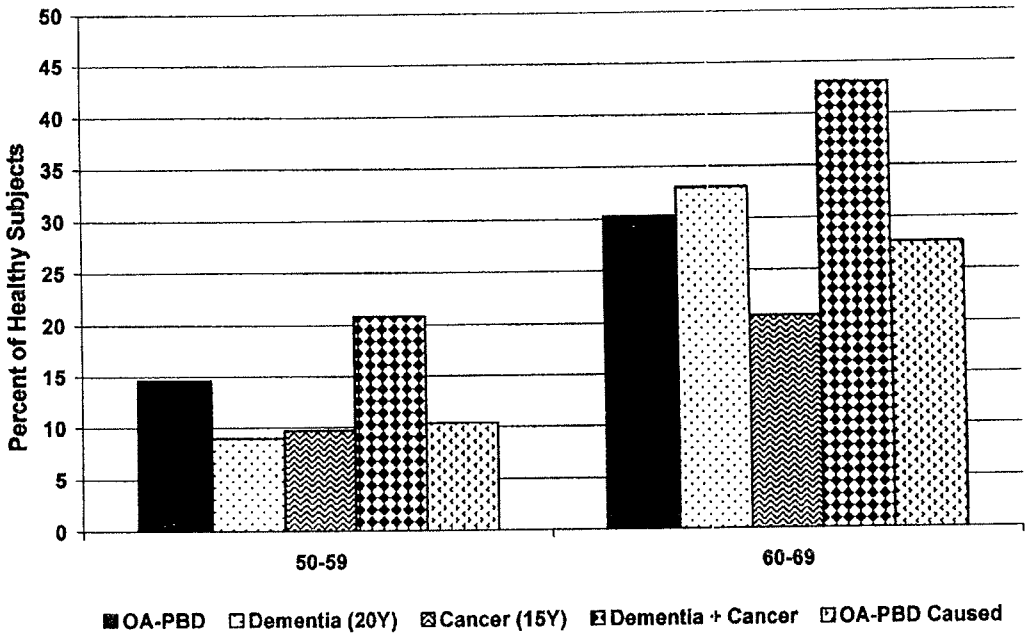


Figure 19

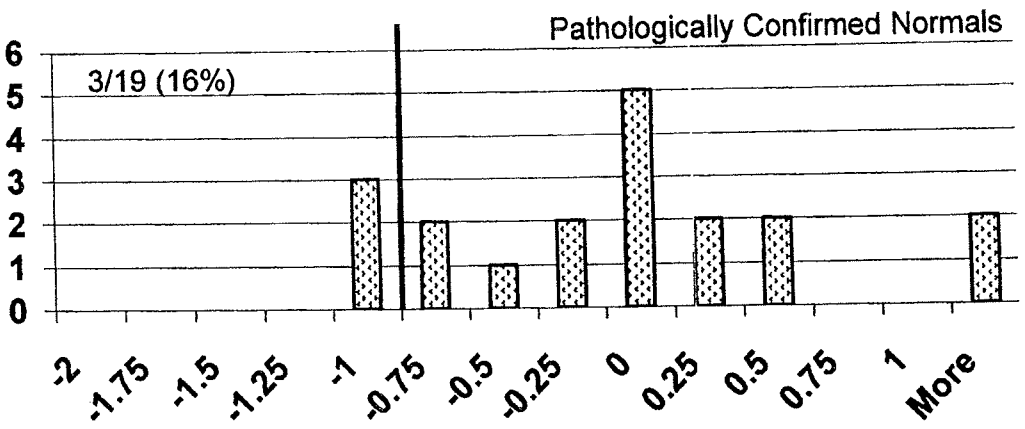


Figure 20

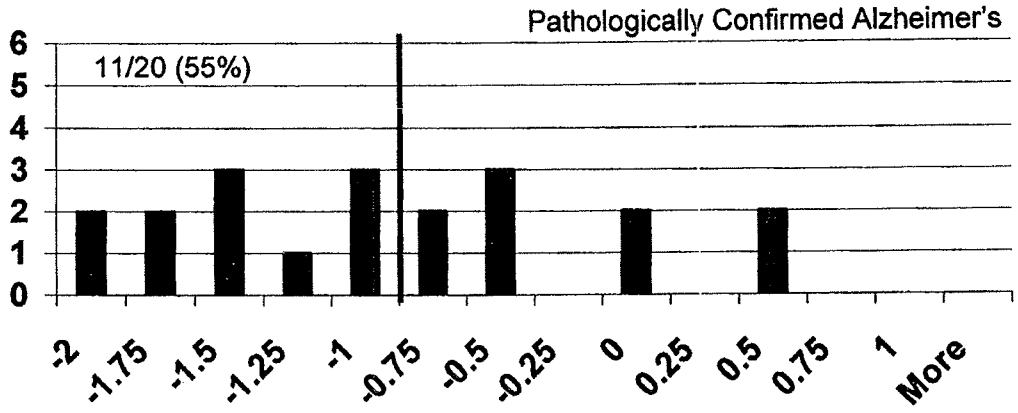


Figure 21

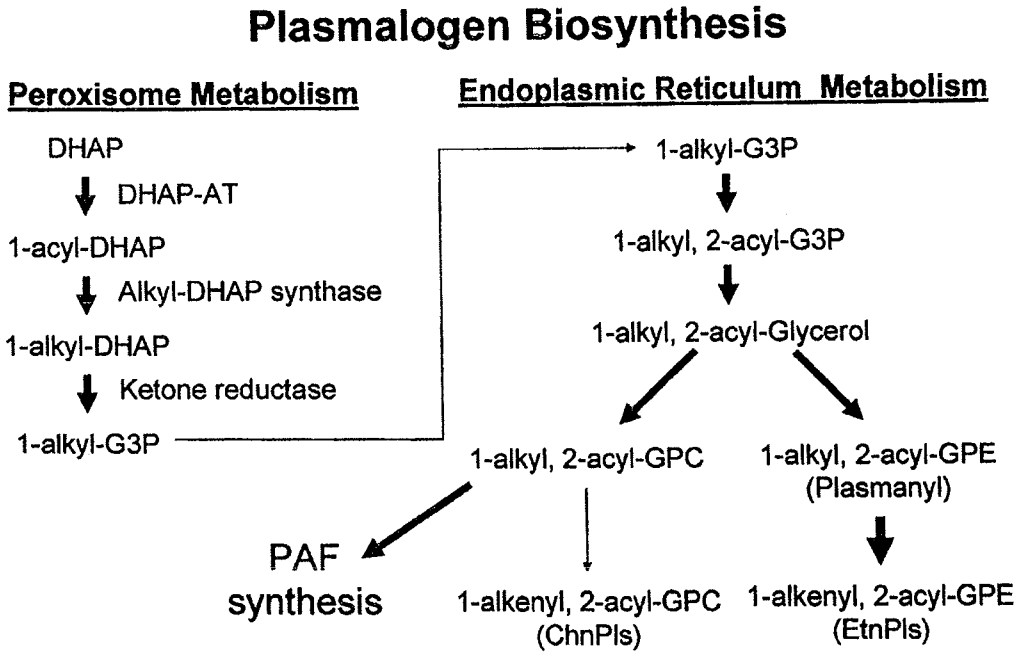


Figure 22

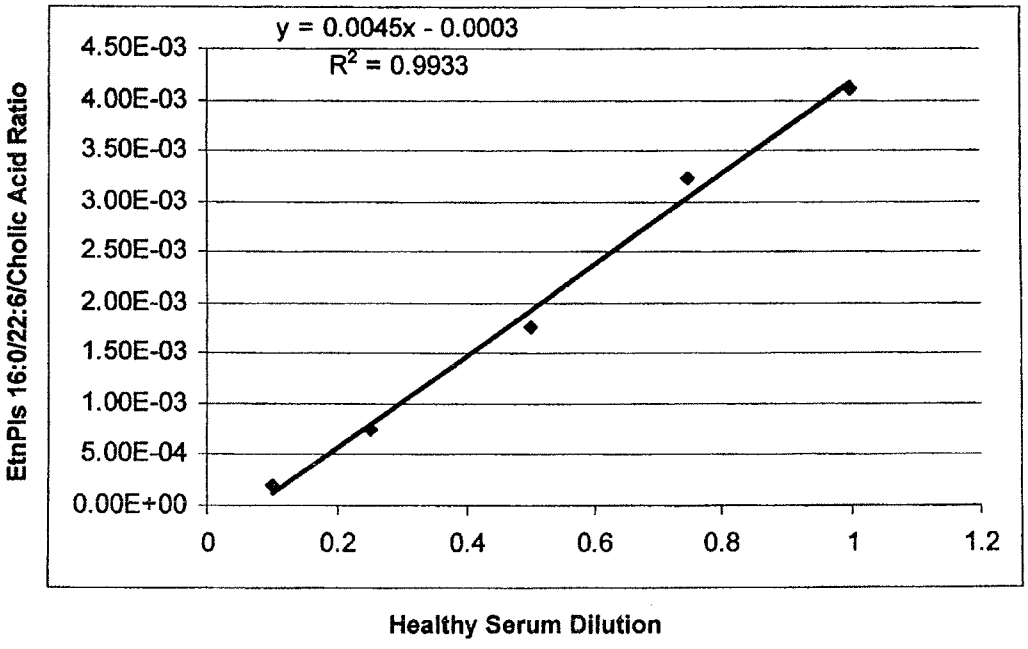


Figure 23