



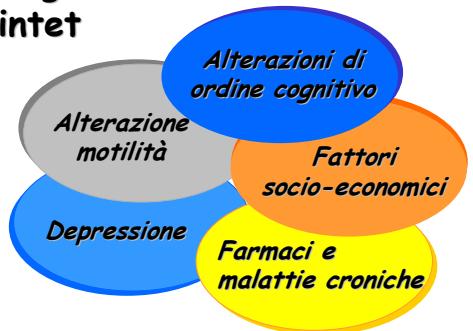
UNIVERSITÀ DEGLI STUDI DI VERONA

SIO Triveneto
31 Marzo 2007 Trento

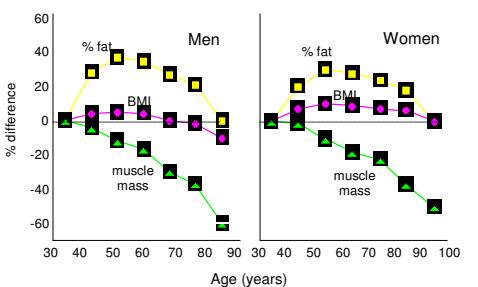
Attività Fisica e Composizione Corporea nell'anziano

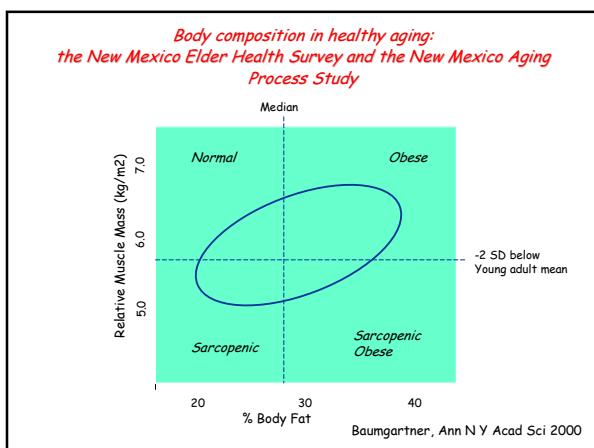
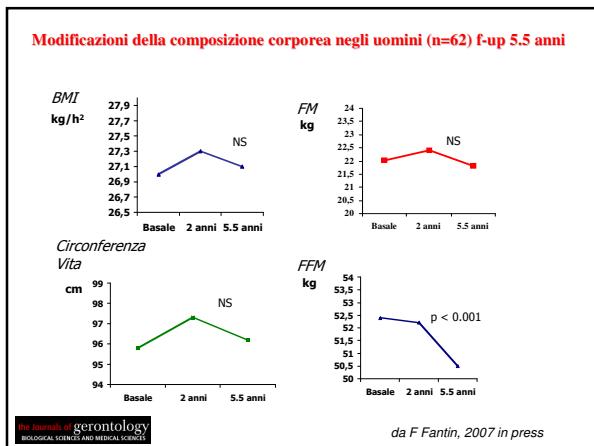
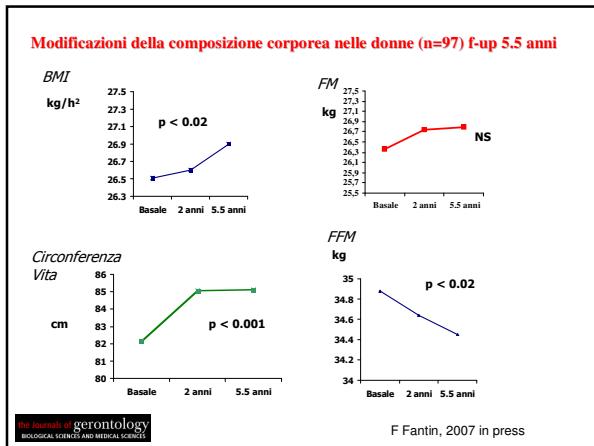
Vincenzo Di Francesco
Clinica Geriatrica Università di Verona

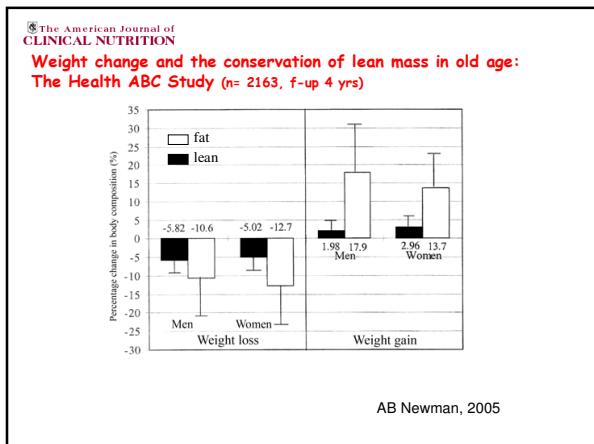
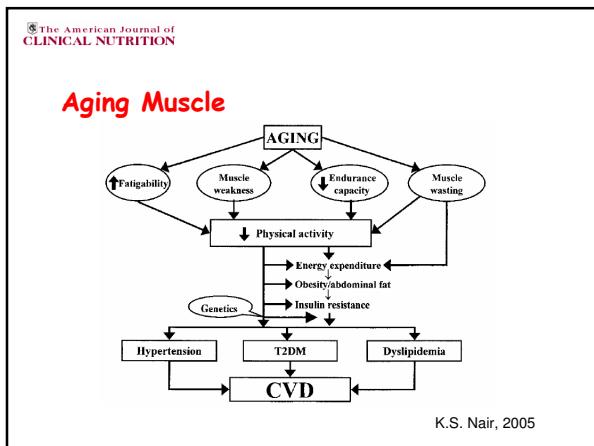
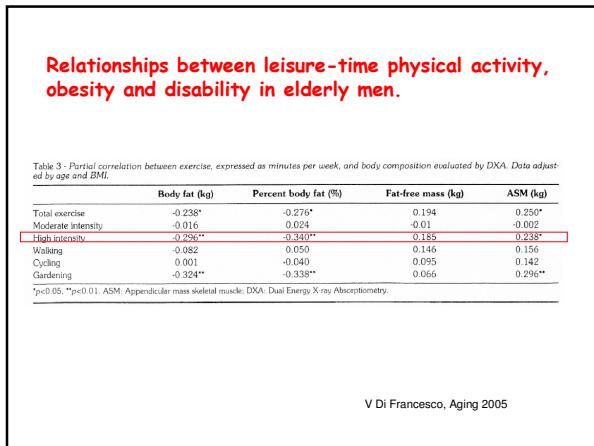
The geriatric quintet

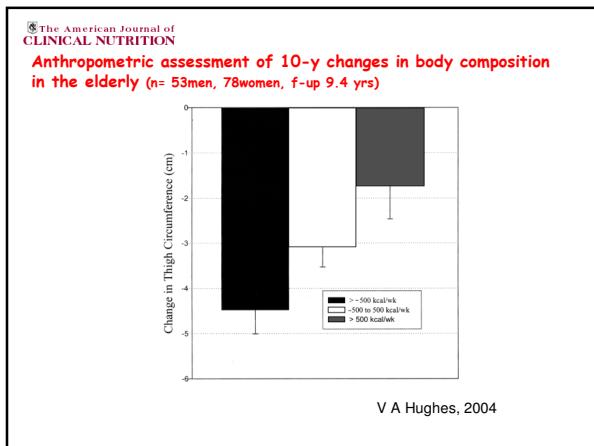
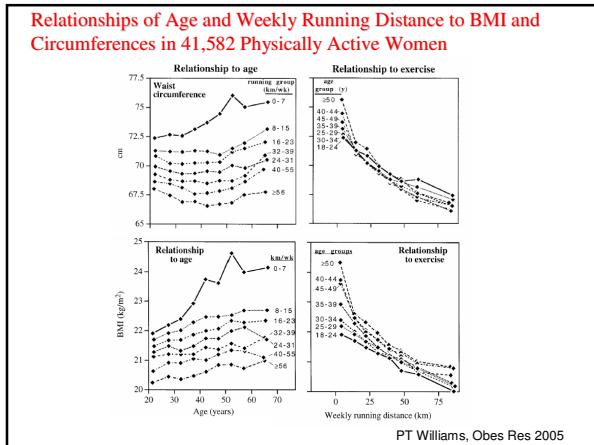
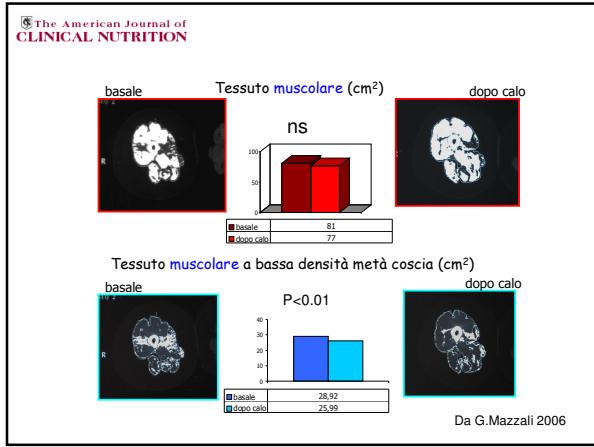


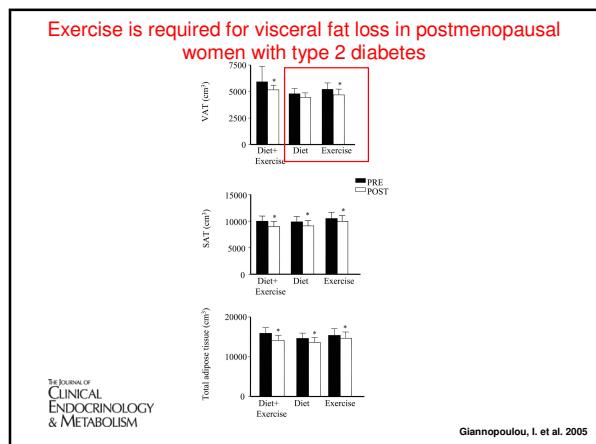
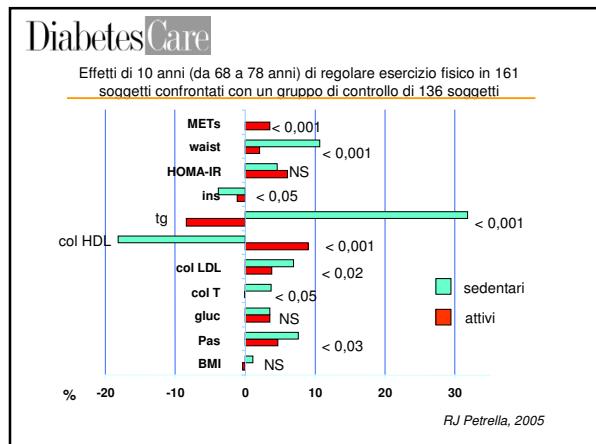
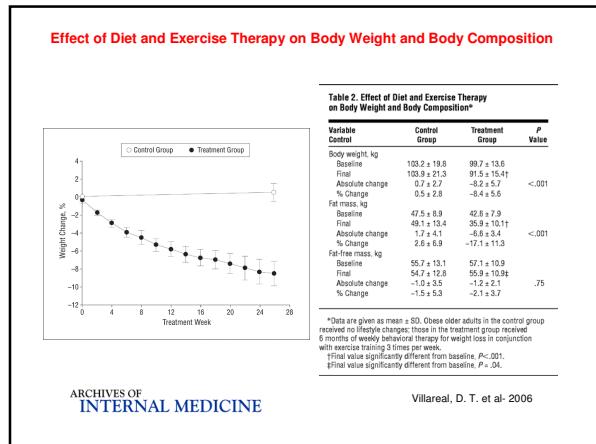
Modifications of BMI, percent of body fat and muscle mass with aging in men and women
(BLSA, cross sectional analysis)

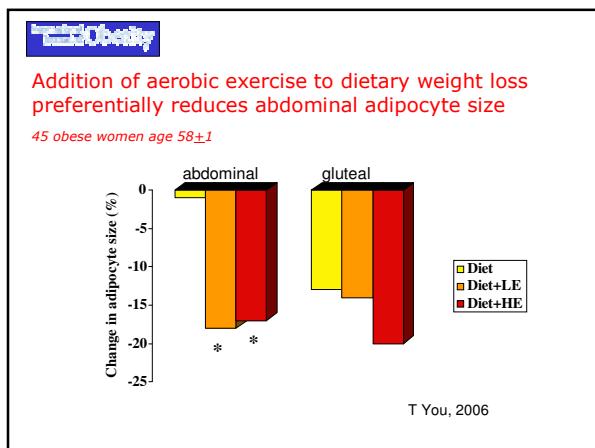
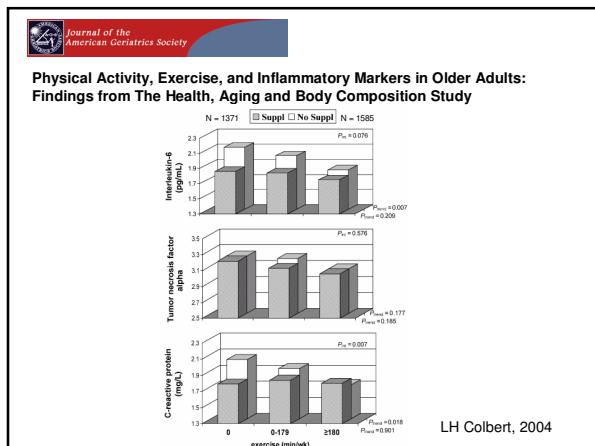
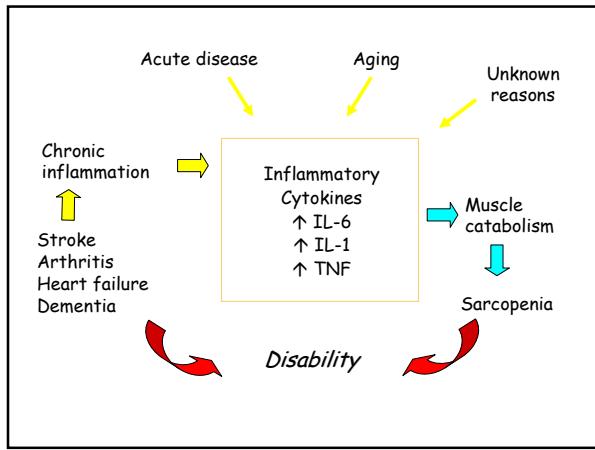


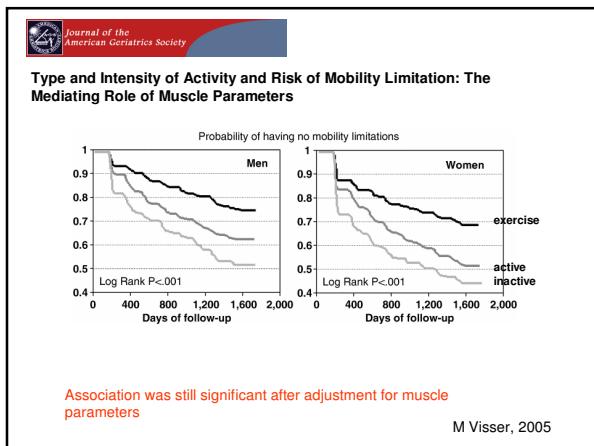
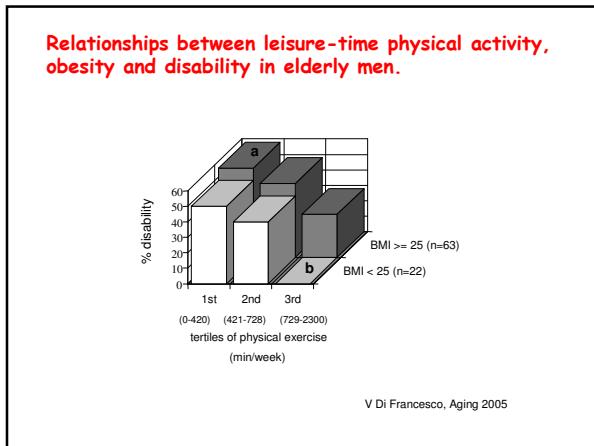












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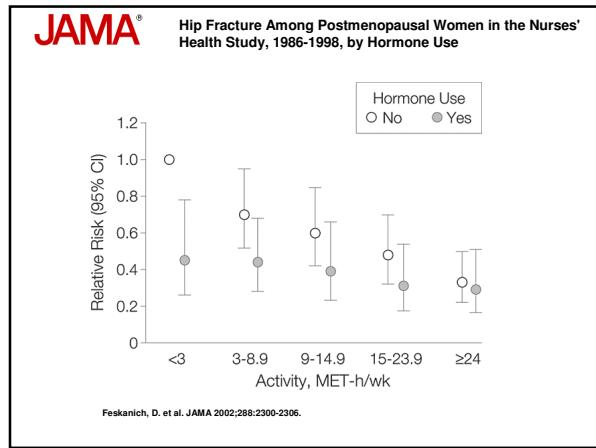
Osteoporosis Prevention, Diagnosis, and Therapy
NIH Consensus Development Panel
on Osteoporosis Prevention, Diagnosis, and Therapy, 2000

There is strong evidence that physical activity early in life contributes to higher peak bone mass.

Some evidence indicates that resistance and high-impact exercise are likely the most beneficial.

Exercise during the middle years of life has numerous health benefits, but there are few studies of the effects of exercise on BMD.

Exercise during the later years, in the presence of adequate calcium and vitamin D intake, probably has a modest effect on slowing the decline in BMD



JAMA® Hip Fracture Among Postmenopausal Women in the Nurses' Health Study, 1986-1998, by Hormone Use

Table 4. Relative Risks (RRs) of Hip Fracture by Hours per Week of Walking and by Walking Pace*

	Walking, h/wk†			P for Trend	Walking Pace‡			
	<1	1	2.3		≥4	Easy	Average	
Cases	115	41	36	22	65	99	30	
Person-years (1986-1998)	130 807	55 575	45 044	36 215	47 887	142 912	66 683	
RR (95% CI)								
Age-adjusted	1.00	0.75 (0.53-1.09)	0.75 (0.51-1.09)	0.57 (0.38-0.90)	.009	1.00	0.55 (0.41-0.77)	0.39 (0.25-0.61)
Multivariate§	1.00	0.79 (0.55-1.14)	0.78 (0.53-1.14)	0.59 (0.37-0.94)	.002	1.00	0.51 (0.37-0.71)	0.35 (0.22-0.55)

*Women were excluded when they reported engaging in an exercise or leisure time activity other than walking for 20 minutes or more. This analysis included 34 692 women and 214 hip fractures. CI indicates confidence interval.
†Hours per week of walking were cumulatively averaged.
‡Assessed in 1986, 1988, 1990, 1992, and 1990 and status was updated in analysis.
§Adjusted for age, body mass index, smoking, postmenopausal hormone use, and intakes of calcium, vitamin D, retinol, protein, vitamin K, alcohol, and caffeine.

Feskanich, D. et al. JAMA 2002;288:2300-2306.

A Report of the Surgeon General
Physical Activity and Health
The Link Between Physical Activity and Morbidity and Mortality

HOW PHYSICAL ACTIVITY IMPACTS HEALTH

Regular physical activity that is performed on most days of the week reduces the risk of developing or dying from some of the leading causes of illness and death in the United States. Regular physical activity improves health in the following ways:

- Reduces the risk of dying prematurely.
- Reduces the risk of dying prematurely from heart disease.
- Reduces the risk of developing diabetes.
- Reduces the risk of developing high blood pressure.
- Helps reduce blood pressure in people who already have high blood pressure.
- Reduces the risk of developing colon cancer.
- Reduces feelings of depression and anxiety.
- Helps control weight.
- Helps build and maintain healthy bones, muscles, and joints.
- Helps older adults become stronger and better able to move about without falling.
- Promotes psychological well-being.

