

PHYSIOLOGICAL PROFILE OF YOUNG PLAYERS

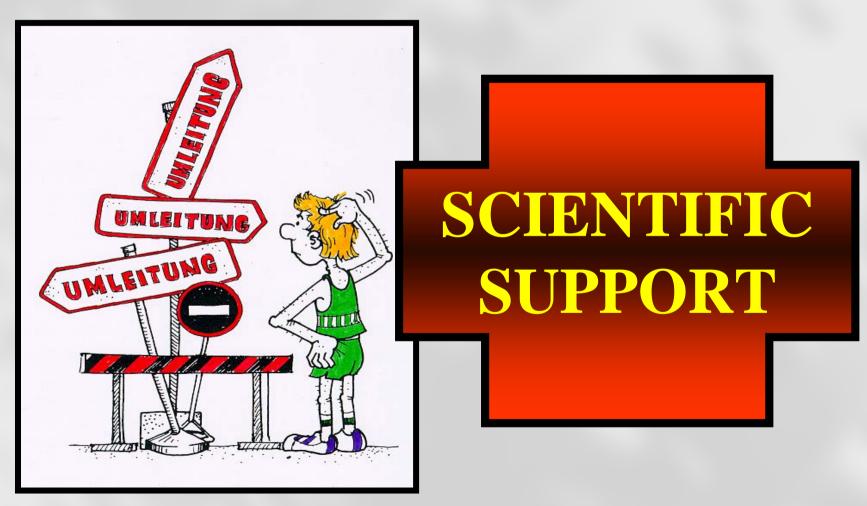
HANS HOLDHAUS

Institute for Sportsmedicine & Science - Austria











SPORTS PHYSICIANS

BIOMECHANICS

PSYCHOLOGIST

MASSEUR



NUTRITON SCIENTIST

THERAPISTS

COACHES

SPORTS SCIENTISTS













NATIONAL TEAM

> JUNIOR TEAM

YOUTH TEAM





FENCING, JUDO, CYCLING, TRACK & FIELD, **SWIMMING, SOCCER**

HANDBALL







????











WORLD CHAMPION YOUTH HANDBALL

WORLD CHAMPION
IN ELITE
HANDBALL













GAME CHANGES

FASTER

DYNAMIC

RISKY

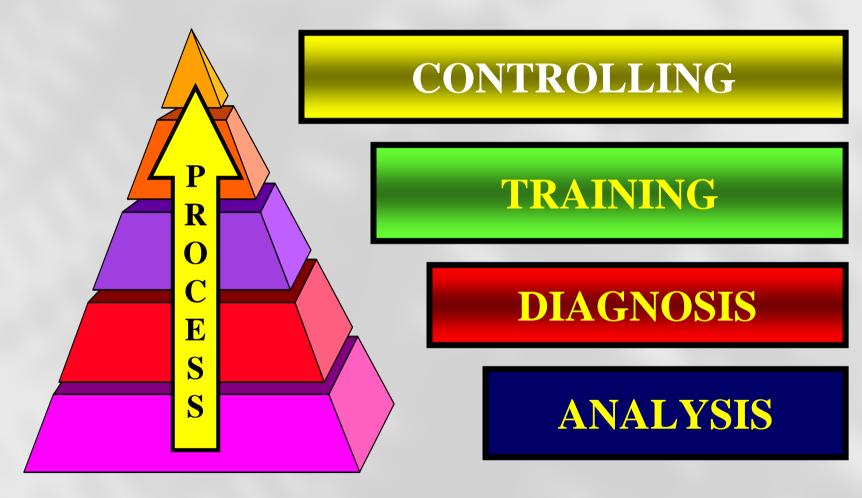
VIOLENT



NECESSITY & DEMAND

YOUTH TRAINING MUST BE ADAPTED ACCORDINGLY





















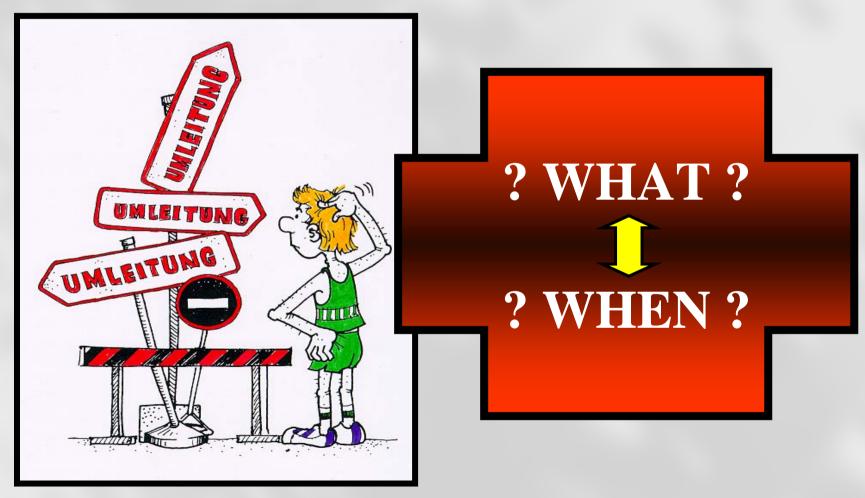




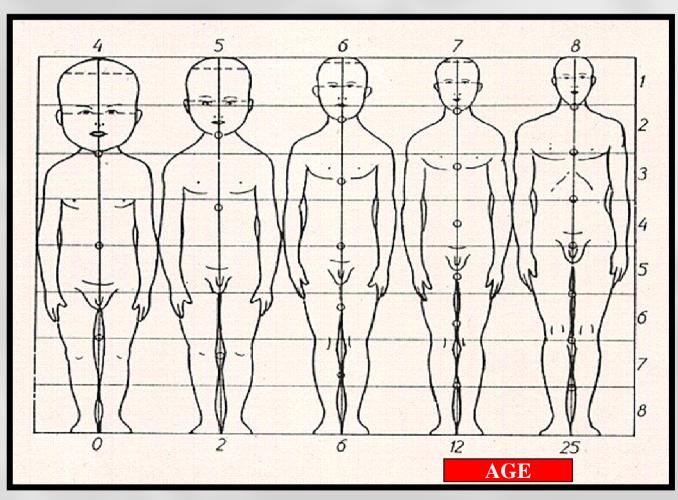




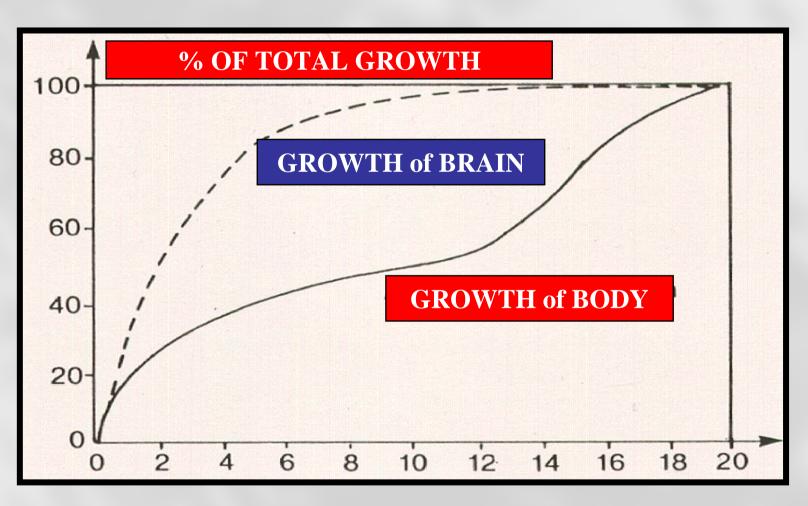
















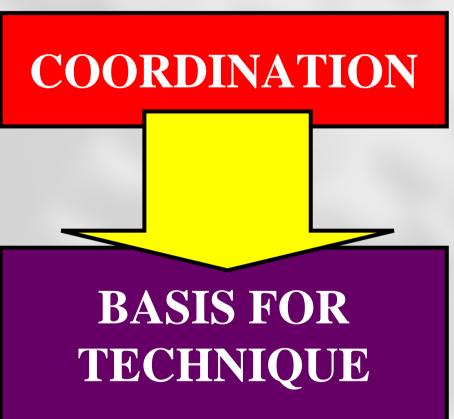
COORDINATION

COORDINATION

COORDINATION















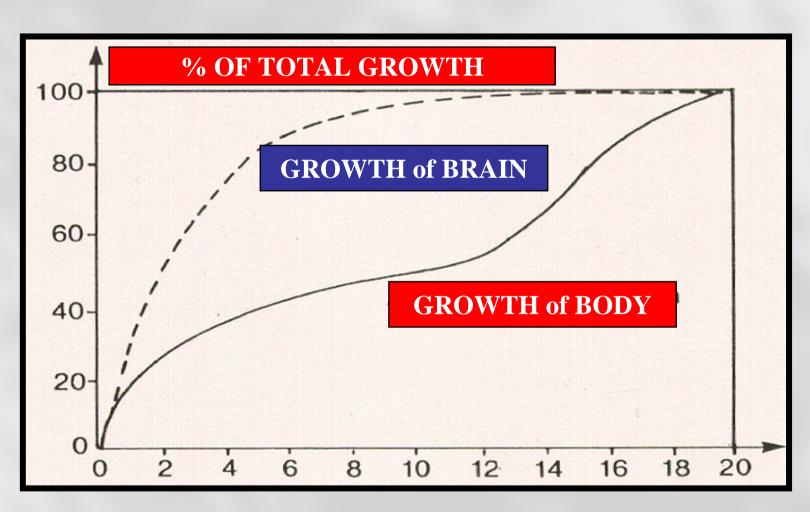






?
CONDITIONING
?







CONDITIONING IN CHILDHOOD YES NO





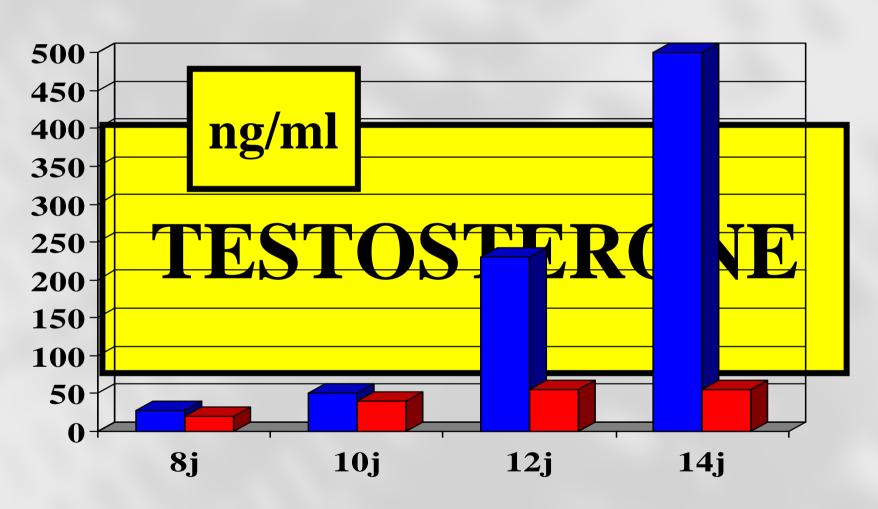




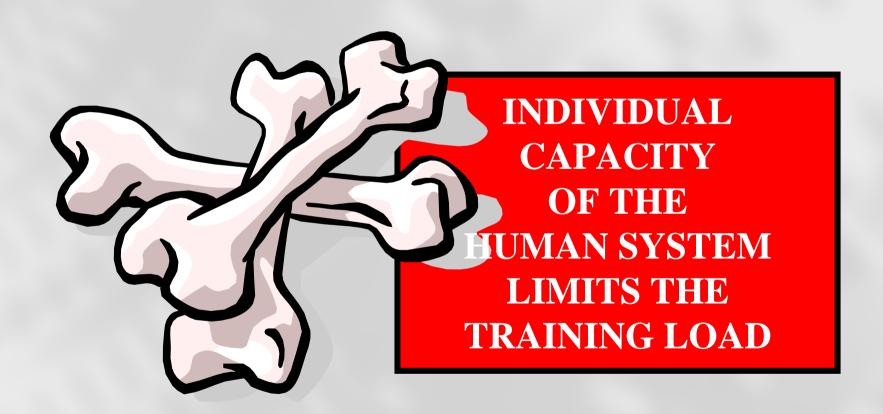


















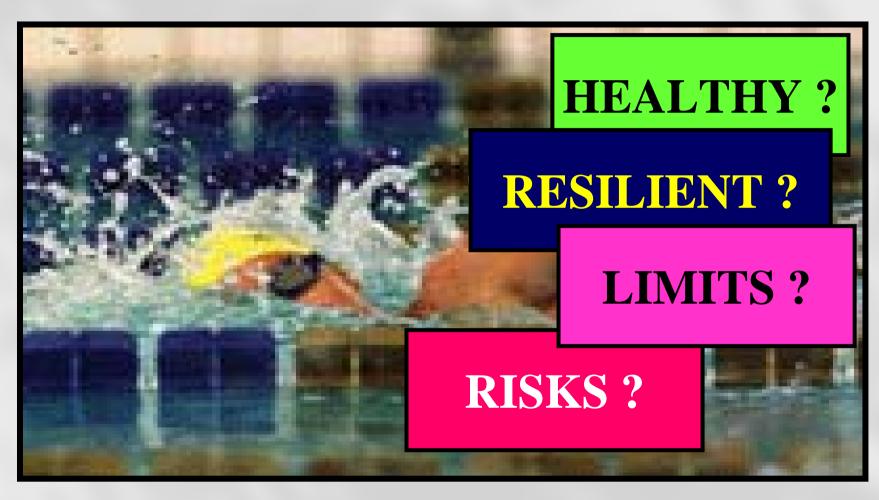




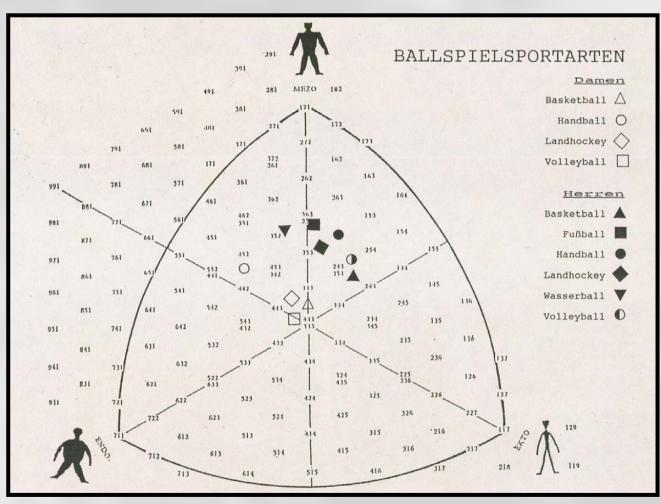
COMPLEX SPORTS MEDICAL EXAMINATION

INTERNAL STATUS
ORTHOPAEDIC STATUS
ERGOMETRY (ECC)
LAB (Blood, Urin)



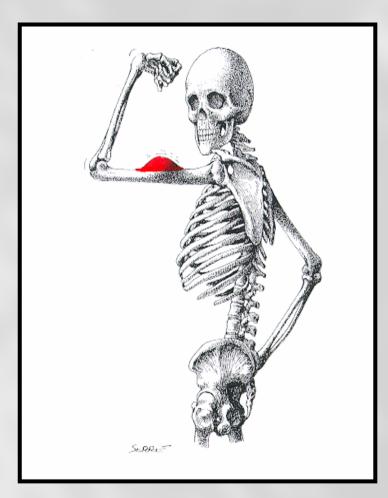






S R

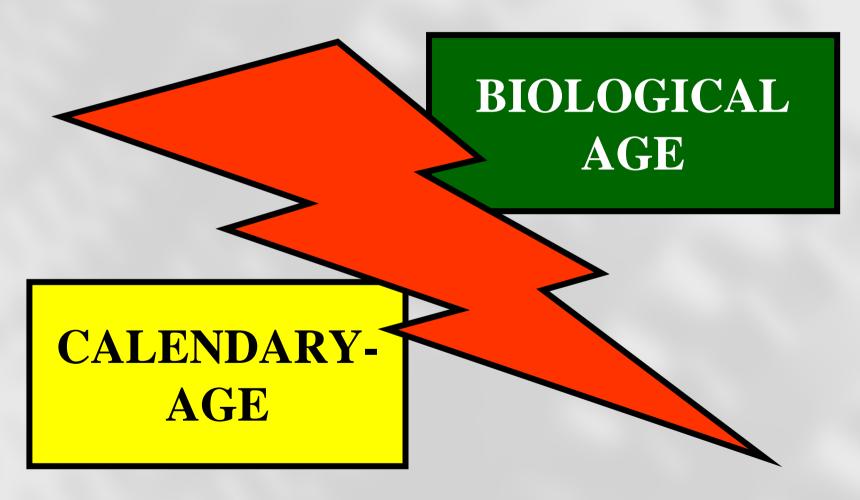




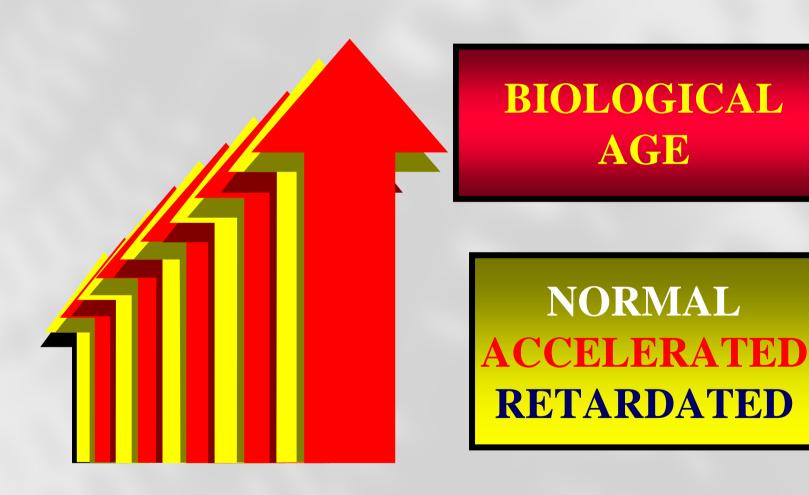
BODY - COMPOSITION

FAT SCELETON MUSCLES

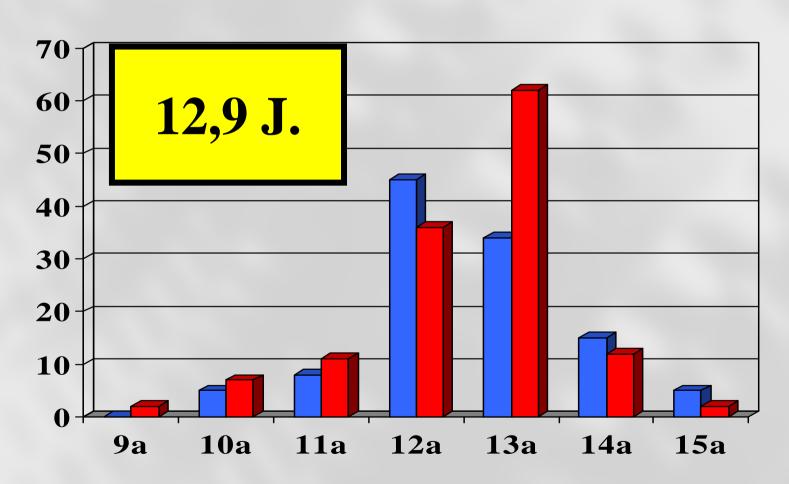




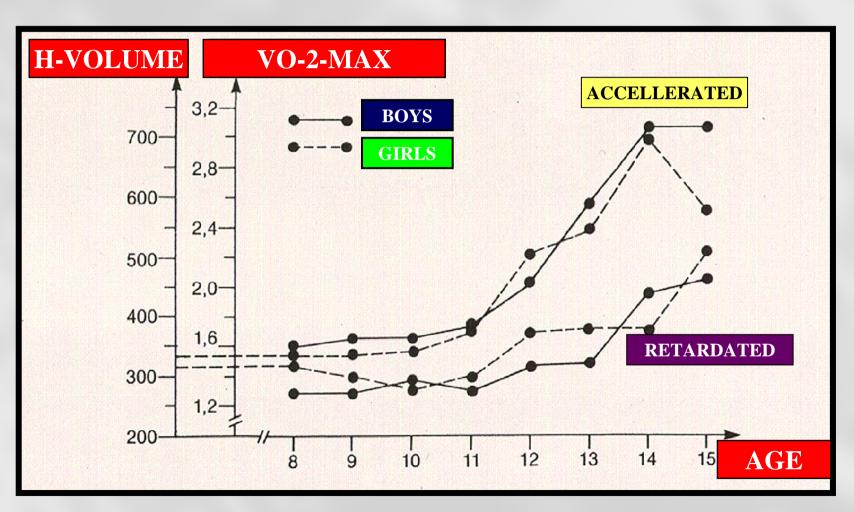




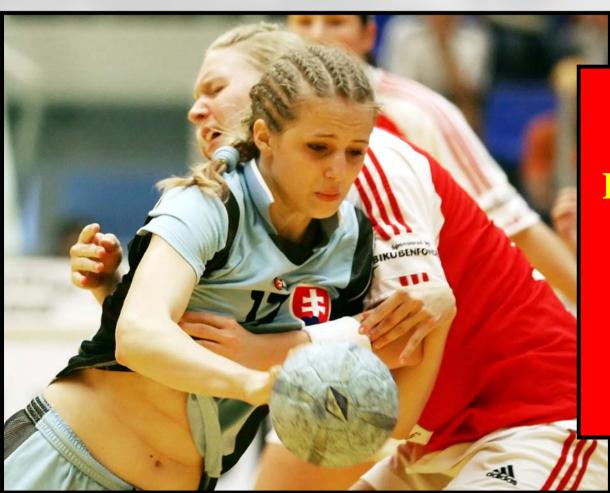












DIAGNOSIS
OF
MOTORIC
ABILITIES



SPEED

POWER

FLEXIBILITY

SPEED ENDURANCE



EXPLOSIVE POWER

DEXTERITY

POWER ENDURANCE

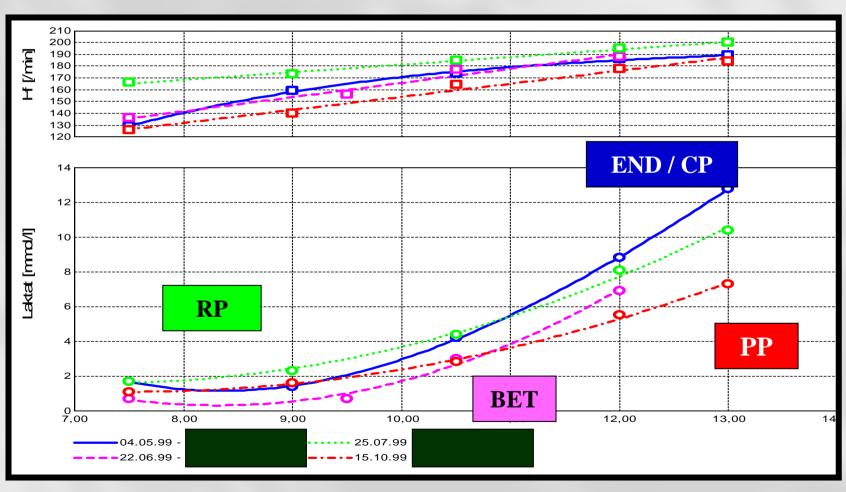
ENDURANCE



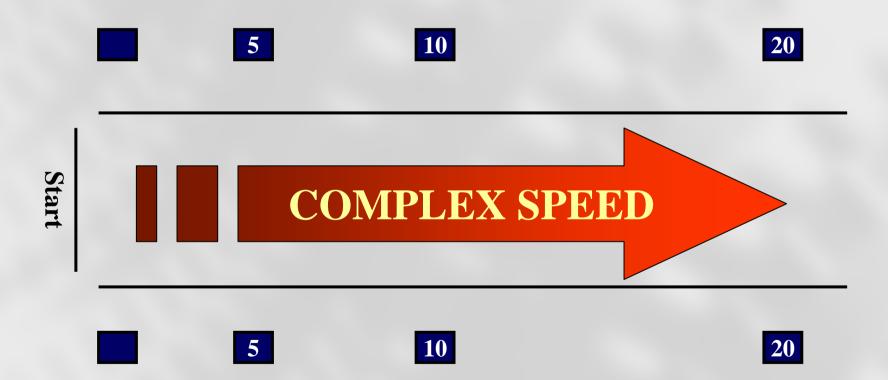
SHUTTLE-RUN

4-5 Steps (7.5 km/h, 9.0 km/h, 10.5 km/h, 12.0 km/h, 13.5 km/h) Duration 3 min/Step, Rest 2 min













SPEZIFIC SPEED PERFORMANCE P NCE

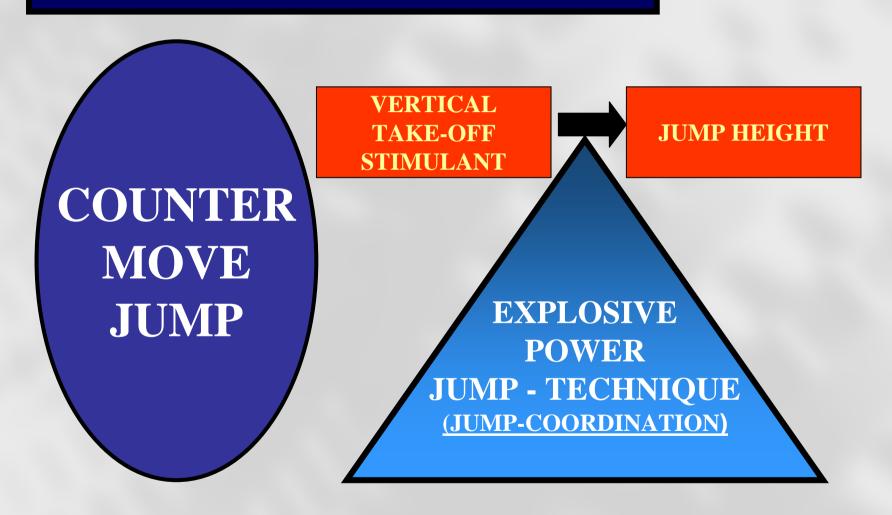
IMSB-Austria

Kastenteil

oder Hürde

1 m









BALANCE TESTS

AGILITY TESTS

REACTION TESTS







