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Trainer Academy NASM Cheat Sheet

3 OPT Training Blood function Iliotibial head OHS Knees move in Corrective (SMR and 2:Resistance stages: continued: Hip flexor complex weak muscles: static stretching) development 1: Stabilization Bicep femoris (short) Active (SMR and 3:Exhaustion 3:Transport Gluteus Pronationdistortion Medius/Maximus active isolated 5 resistance training 2:strength hormones weak muscles: Vastus Medialis stretching) adaptations: 3: power 4: Carries heat **NASM Opt Training** 5:Regulates temp Anterior tibialis oblique Functional (SMR and 1: stabilization Posterior tibialis **OHS LPHC leans** phases: 6: clotting protects dynamic stretching) 2: muscular 1: Stabilization end leaving Vastus medialis forward tight Recommended endurance 2:strength end 7: fights disease in muscles: exercise for adults: 3: muscle Gluteus 3: hypertrophy Sickness medius/maximus Soleus 150 minutes of hypertrophy ATP-PC: Hip external rotators Gastrocnemius 4: max strength moderate intensity 4: Strength 5: power 1:10-15 sec Lower crossed tight Hip flexor complex or 75 minutes of 5: Power Phases that have Resistance training 2:Fastest muscles: Abdominal complex vigorous aerobic **OHS LPHC leans** supersets: 3: No-O Gastrocnemius exercise. systems: 2 and 5 4: Short Soleus forward weak Cardiovascular Single set Three parts of a 5: High intensity Hip flexor complex muscles: training for general Multiple set Glycolysis: Anterior tibialis health: Pyramid neuron: Adductors 1:30-50 sec Latissimus dorsi 60% of Max O Superset 1: Cell body Gluteus maximus 2: Use carbs consumption. **Drop set** 2: Axon **Erector Spinae Erector Spinae** 3: Dendrites 3: medium duration Lower crossed weak OHS low back FITTE Principles: Circuit training Three joint Oxidative system: muscles: arches tight Frequency Peripheral heart Anterior tibialis muscles: motions: 1: Oxidative Intensity action 1: Roll 2: Slow process Posterior tibialis Hip flexor complex Time Split routine A vertical loading 2: Slide 3: Long duration Gluteus maximus Arrector Spinae Type 3: Spin 3 oxidative systems: Lucius Medius Enjoyment Horizontal loading Latissimus dor: Skeletal system Lower crossed weak **OHS low back** Local stabilization Acute variables of Aerobic glycolysis functions: Krebs cycle muscles cont arches weak system muscles (training: muscles: type I slow twitch) Repetition 1: Shape Electron transport Transverse abdominis abdomi 2: Protection chain (ETC) Gluteus maximus Transverse of Set 3: movement Respiratory quotient Internal oblique Hamstring complex **Dominis** Training intensity RQ of .7 =100% fat **Upper Crossed tight** 4: blood production Intrinsic core Internal oblique Rep tempo 5: store minerals RQ of 1 = 100% carbs muscles: stabilizers Lumbar multi fidus Rest interval Layers of muscle: Sagittal plane: Upper trapezius OHS arms fall Pelvic floor muscles Training volume Training frequency **Epimysium** Motion: Levatorscapulae forward tight Diaphragm Perimysium Flexion/extension Sternocleidomastoid muscles: Best core exercise **Training duration** Latissimus dorsi for beginner: Prone Exercise selection Endomysium Axis: Coronal Scalene (deepest) Frontal plane: Latissimus dorsi Teres major iso ab ATP recovery: Slow twitch fibers: Motion: Teres major Pec major/minor Core musculature: 20-30 sec = 50% Abduction/adduction 40 sec = 75% 1:Increased oxygen Subscapularis OHS arms fall Local stabilization 2:Smaller , Lateral flexion, E Pec major/minor forward weak system 60 sec = 85% **Upper Crossed weak** Global stabilization 3: less force version/inversion $3 \min = 100\%$ muscles: 4: Slow fatigue muscles: Mid/lower traps Program design system Axis: Fast twitch fibers: Anterior/posterior Deep cervical flexors **Rhomboids** Movement system Continuum: Transverse plane: Rotator cuffs Stabilization 1:Less oxygen Serratus Anterior Muscle 2: larger Motion: Rhomboids OHS what to view: exercises: endurance/stabilizati 3: more force Internal/external Mid trapezius Anteriorly: 1:Involve no lower on: 4: fast fatigue rotation, Left/right Lower trapezius Feet, ankles and body joint movement Reps: 12 to 20 Muscle spindle: rotation, Horizontal Teres minor 2:Balance power Sets: 1-3 knees 1: change In length abduction/adduction Infraspinatus Laterally: include a "hop" Intensity: 50% to 2: Stretch reflex Axis: Longitudinal OHS feet turn out LPHC, , shoulder 3: Balance strength 70% 3: Cause Estimated HR: tight muscles: and cervical involve bending at Tempo: slow (4/2/1) contraction complex hip or knee Rest: 0-90 sec 220 - age Soleus Golgi Tendon: HR training zones: Lateral BMI for Proprioceptively Hypertrophy: overweight/Obese: 1: attach to tendons 1:65% to 75% astrocnemius challenging Reps: 6 to 12 Biceps femoris equipment: 2:Change in muscle 2: 76% to 85% Overweight:25.0-Sets: 3 to 5 tension 3:86% to 95% (short) 29.99 1: Floor Intensity: 70% to 3: Cause relaxation Which pulse?: OHS feet turn out Obese: 30.0 - 34.99 2: Balance beam 85% Blood flow in heart: weak muscles: **Cumulative injury** 3: Half foam roll Tempo: moderate Radial pulse 1: Right A (no O) 4: Foam pad (2/0/2)**Postural** Medial cvcle: 2: Right V (no-O) Rest: 0-60 sec gastrocnemius 1:tissue trauma 5: Balance disk assessments (3: Left A (O) Medial hamstring 2: inflammation 6: Wobble board Max strength: Green are 4: left V (O to body) Grasilis, Sartorius, 3: muscle spasms 7: Bosu ball Reps: 1-5 **Blood vessels:** almost always **Popliteus** 4: adhesions Three phases of Sets: 4-6 1:Arteries tight and yellow OHS Knees move in 5: Altered plyometric training: Intensity: 85% to 2:Arterioles neuromuscular 1: Eccentric Tight muscles: 100% are almost 3: Capillaries 2:amortization Tempo: fast Adductor complex control always weak) 4: Venules Bicep femoris (short) 6: Muscle 3:Concentric/loading Rest: 3 to 5 min Pronationdistortion 5: Veins imbalance Three phases Power: ensor fascia lata **Blood functions:** tight muscles: Vastus lateralis general adaptation Reps: 1-10 7: repeat Gastrocnemius 1: Transport O Integrated syndrome: Sets: 3-6 Soleus 1:Alarm reaction Intensity: 35% to 2:Transport waste flexibility Peroneals continuum: 45% Adductors Tempo: fast

Exercise tools: Free weights Machines Cable machines Elastic bands Medicine balls Kettle bells Body weight TRX Bosuball Stability ball Protein intake: Sedentary = .4g/lb Strength = .5=.8g/lb Endurance = .5-.6g/lb Amino acids: 20 total 8 essential Recommended macros: Pro: 10% to 35% Cho: 45% to 65% Fat: 20% to 35% Macro calories: Pro: 4 cal/gram Cho: 4 cal/gram Fat: 9 cal/gram Alcohol: 7 cal/gram Fluid recommendations: 6-12 oz every 15-20 min Of exercise 16-24 oz / lb lossed during exercise. **Common vitamins** with adverse effects when consumed in excess: 7inc Iron Vitamin D Vitamin A 5 stages of change: Precontemplation Contemplation Preparation Action Maintenance Barriers to exercise: Not enough time Unrealistic goals Lack of support Social physique anxiety Convenience SMART goals: Specific Immeasurable Attainable Realistic Timely

Rest: 3-5 min