

# About Me Endeavor Sports Performance (Pitman, NJ) -Team Comcast Tier I Youth Organization -New England Prep -EJHL, USHL, BCHL, OHL, etc. -NCAA Div III & I -ECHL, AHL, NHL San Jose Sharks (Prospect & Pre-Season Camps) USA Women's National Team

# The Importance of Training Primary Goal 1: Performance Enhancement A quality training program will help you improve: -Linear and transitional speed -Multi-directional power -Lower, upper, and total body strength -Core strength and function -Conditioning/Endurance



# Player Outcomes Win more races to loose pucks Create more time and space Give and accept harder passes Take harder shots Win physical battles Perform at a high level from 1st through the 3rd period Stay healthy throughout entire season Close "Performance Gap"/Maximize Your Development!

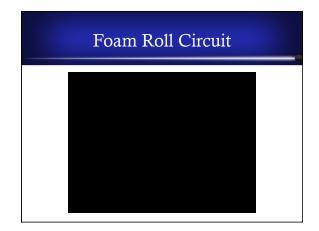


# Soft-Tissue Quality

#### Foam Rollers/Med Balls/Lacrosse Balls

- -Soft-tissue refers to your muscles, tendons, ligaments, and surrounding tissue
- -Rubber Band Analogy (Is stretching the answer?)
- -Decrease tension and troubleshoot trigger points
- -Improve local circulation and nutrition
- -Areas to focus on: front thigh, outside thigh, back thigh, inside thigh, outside hips, inner shoulder blades, outer shoulder blades

TIME: ~5-8 minutes/day



# Dynamic Warm-Up

#### Benefits of a quality warm-up

Improve range of motion, especially in commonly restricted areas

Increase heart rate and circulation

Increase respiratory rate

Increased excitation to working muscles

Improved coordination in specific movement patterns

Prepare the body for high intensity work!

# Dynamic Warm-Up

# Speed Training

#### Are we after "Quick Feet"?



# The Myth of Quick Feet

### What happens when these two meet?





# REAL Speed Training

#### Relocate quickly by moving center of mass!

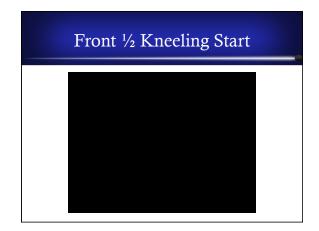
Linear Speed

-Straight line acceleration and max speed

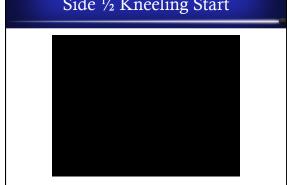
Transitional Speed

- -Changes in speed and/or direction
- -Initial movement of shuffle, back pedal, or sprint, followed by transition of  $90^\circ$  or  $180^\circ$

10-15 Yard max effort sprints with complete rest!



# Side ½ Kneeling Start



# Hockey Specific



# Transitional Speed

**Lateral Back Pedal to Sprint** 

# Transitional Speed

5-Yard Sprint to 5-yard Back. Back Pedal to Sprint

## **Power Training**

#### **Divisions of Power Training**

Lower Body Plyometrics

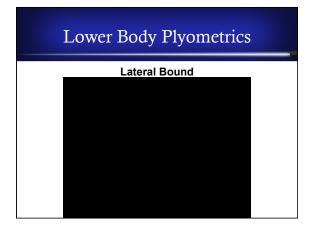
-Skating speed

Olympic Lifting Variations

-Skating speed, shot power, 1-on-1 battles

Med Ball Throws

-Skating speed, shot power



# Olympic Lifting Variations

#### **Hang Clean**



### Med Ball Throws

Med Ball Shotput w/ Rapid Step Behind & Partner Toss

# Strength Training

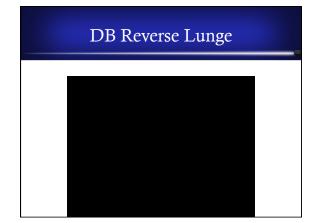
#### Become brilliant at the basics!

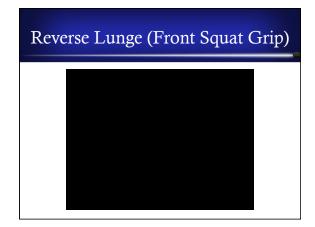
Master the foundational movements

- -Lower body push (squatting variations)
- -Lower body pull (deadlifting variations)
- -Lower body hybrids (lunging variations)
- -Upper body push (push-up and overhead press variations)
- -Upper body pull (row and chin-up variations)

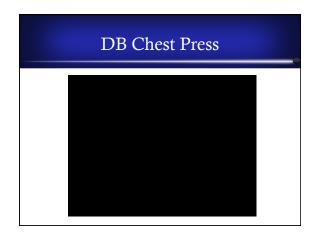
# Strength Training Rules

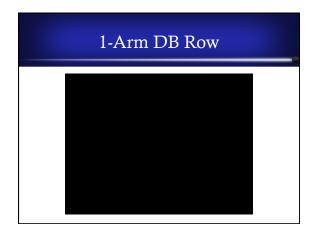
- 1) Master the movement before you add load
- 2) Technical Failure: When form breaks down, the set is over
- 3) Balance lower and upper body pushing and pulling exercises
  - -e.g. 3 sets of 8 DB Chest Press = 3 sets of 8 1-Arm DB Rows



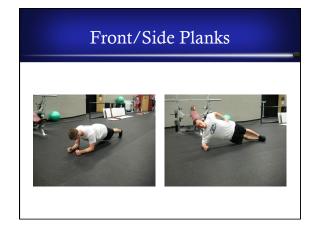




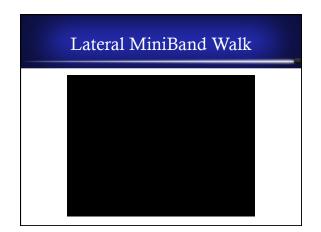


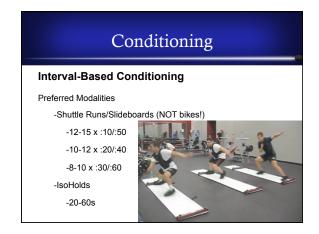


# Core Training Two Primary Functions Create a stable platform for leg and arm movement -"Can't shoot a cannon from a canoe" Create stiffness for efficient force transfer between the lower and upper body -Shooting/skating stride power

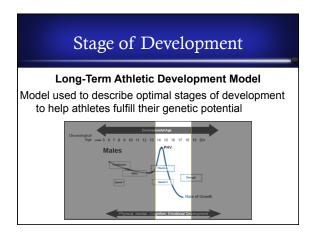












## Just Speed & Conditioning?

#### Most physical qualities compliment each other

Strength-Speed Example:

Speed = Putting Force into Ice

Force = Strength

Improve Strength = Improve Speed

Strength Training = Speed Training

### What About Goalies?

#### Ask yourself these questions:

Do I want my hips and shoulders to be more mobile?

Would being faster, stronger, and more explosive be beneficial?

Would these qualities also be beneficial for forwards and defensemen?

How do I develop these qualities?

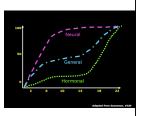
#### How You Got Here

#### Everyone is here for different reasons

Did you grow before everyone else?

Did you develop neurologically (think skill/skating) before everyone else?

Did you outwork everyone else?



### "Control the Controllables"

- -Dr. Hacker (Sport Psychologist, US WNT)
- -There are a lot of components of your development, especially in terms of growth that you have no control over.
- -Focus on what you can control!
  - -Training, nutrition, hydration, practice, preparation
  - -You are NOT the same as your friends!

### Thank You

Tom Lampl & Camp Staff

Joe Doyle & All of USA Hockey's ADM Team

Staff at Endeavor

**Hockey Coaches** 

**Hockey Parents** 

All of you!

# Recommended Equipment

Check out this article for information on where to pick up MiniBands, Foam Rollers, etc.

http://www.kevinneeld.com/2011/three-thingsevery-hockey-player-should-own

## Questions?

#### More Information:

KN@KevinNeeld.com www.KevinNeeld.com

www.HockeySC.com

www.UltimateHockeyTraining.com

# 3 Keys to Successful Nutrition

#### 1) Eat real food

Real food can be hunted or grown

Ask yourself: "Was this accessible to a caveman?"

Most of your diet should come from lean meats, eggs, fruits, vegetables, nuts, and beans

Avoid the aisles at the grocery store



# 3 Keys to Successful Nutrition

#### 2) Eat often/eat enough

Can't gain weight?

Cereal: ~160 calories/serving

Maintenance Calories: 16-18 x BW (lbs)

Weight Gain Calories: 20-22 x BW (lbs)

140 lbs = 2,800-3,080

150 lbs = 3,000-3,300

4 meals = ~750-850 calories/meal

## 3 Keys to Successful Nutrition

#### 3) Stay hydrated

Most of you are in a mild state of dehydration at all times

Impaired physical & mental performance

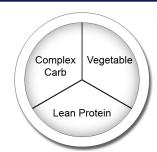
Drink WATER, 12-16 cups/day

Buy a water bottle and drink throughout the day

Mix in pure lemon or lime juice for taste



# Pre- and Post-Game Meal



## **Grocery List: Proteins**

- 1) Chicken or turkey breast, boneless and skinless
- 2) Lean ground beef, buffalo, chicken or turkey
- 3) Lean red meat (top round, sirloin, London broil)
- 4) Omega-3 eggs
- 5) Wild Alaskan salmon
- 6) Yogurt, plain

# Grocery List: Vegetables & Fruits

1) Asparagus

8) Onions

2) Baby carrots

9) Tomatoes

3) Baby spinach

10) Apples

4) Bell peppers

11) Bananas

5) Broccoli, cauliflower

12) Berries, fresh or frozen

6) Cucumbers

13) Oranges

7) Mixed frozen vegetables 14) Pineapple

### Grocery List: Grains & Carbs

- 1) Beans (black, chick peas, kidney, lentils
- 2) Steel-cut/Irish oats
- Sprouted grain breads, English muffins, wraps or cereal (Ezekial brand)
- 5) Sweet potatoes

### Grocery List: Healthy Fats

- 1) Extra virgin olive oil
- 2) Guacamole
- 3) Mixed nuts (almonds, walnuts, pecans, cashews, pistachios, brazil)
- 4) Natural peanut/almond/cashew butter
- 5) Pesto from extra virgin olive oil
- Seeds (chia, hemp, milled flax, pumpkin, sunflower)

## The Secret to Making It Work

#### Make eating the right foods convenient!

Pre-cook meals for the week on Sunday night and put them in tupperware

Pre-bag individual snack bags with nuts, seeds, and cut up fruits/vegetables

Make breakfast omelette or smoothie the night before, so you can sleep in

# Reese's Smoothie (2 servings)

16 oz organic whole milk

2 scoops chocolate protein



2 tbsp milled flax seeds

2 tbsp cacao nibs

3 tbsp natural peanut butter

1 cup frozen mixed berries

Nutrition Information (Total): >1200 calories, >60 g protein, >36 g fat, > 90 g carbs, > 20 g fiber