The food that we consume every day consists of macronutrients and micronutrients.

Macronutrients are proteins, carbohydrates and fats, such as dairy, meat, legumes, fruits, vegetables and grains, and different fats and oils. Micronutrients are vitamins and minerals. Both types of nutrients provide the energy to our bodies that we need every day. When a variety of food from each of the groups is consumed every day, all required nutrients are provided to the body.

Hockey players need more energy (food) on hard training days (training 2x per day) than on easy training days or rest and recovery days.

Common protein sources with descending protein content are: chicken breast, lean beef steak, cheese, salmon, almonds, egg, bread and kidney beans.

Fats and oils are an essential part of a healthy diet in small amounts. They provide essential fatty acids which the human body is not able to produce itself and helps with the absorption of fat soluble vitamins (A, D, E and K). Fats and oils are high in energy and that is why they should be consumed in small amounts only. Saturated fats can raise blood cholesterol levels and through that increase the risk of heart diseases or strokes. For this reason it is recommended to consume unsaturated fats and oils such as nut oils, olive oil, rapeseed oil, canola oil, etc.

Grains, vegetables, and fruits belong to the carbohydrates. They provide the body with starch, sugars and fibers.

PLAYER DEVELOPMENT GUIDE

A healthy and well-balanced diet typically provides the vitamins and minerals needed by the body. Vitamins and minerals are essential to prevent anemia (iron), for bone health (calcium) and for other physiological functions of the body.

Micronutrients and minerals: Calcium, iron, magnesium, vitamin A, C, D, E, K, and long chain omega 3 fatty acids, Vitamin B1, B2, B3, B6, B12, folic acid, fluoride, iodine, phosphorus, potassium, sodium, selenium, zinc.

MACRONUTRIENTS			
Nutrient	Function	Source	
Carbohydrate	provides energy for the body	bread, rice, potatoes, pasta, breakfast cereals and muesli, quinoa, fruits, vegetables	
Protein	provides amino acids, needed for normal growth and maintenance of health; provides energy; for muscle repair	meat, fish, eggs, dairy, cereal products, soya products, nuts and pulses	
Fat	essential fatty acids; energy- provider; required for a range of bodily processes, and to maintain normal structure of cells in the body	fats and oils, meat, dairy, oily fish, nuts, seeds and avocados	

MICRONUTRIENTS		
Nutrient	Function	Source
Vitamin B1 (Thiamin)	Important for normal functioning of the nerve system and heart; helps release energy from food	bread, nuts, seeds, meat, beans and peas
Vitamin B2 (Riboflavin)	Important for maintaining healthy skin, nervous system and reduces tiredness helps release energy from food	milk and dairy, eggs, mushrooms, almonds; some oily fish (mackerel and sardines)
Vitamin B3 (Niacin)	Important for healthy skin, nervous system; helps reduce tiredness; helps release energy from food	meat, poultry, fish, wholegrains, bread, peanuts and sesame seeds

Vitamin B6regulates hormones, and reduces tiredness; important for normal functioning of the immune system; helps to make red blood cellsmeat, poultry, fish, egg yolk, soya beans, sesame seeds, bananas, avocado, green pepperVitamin B12regulates hormones, and reduces tiredness; important for normal functioning of the immune system; helps to make red blood cells; helps to make red blood cells; helps to make red blood cells; make red blood cellsmeat, fish, milk, cheese, cream cheese, eggsFolic acidimportant for nervous system to work, reduces tiredness; helps to make red blood cellsgreen leafy vegetables, brown bread, peas, beans, oranges, berriesVitamin Chelps the immune and the nervous system to function properly; protects cells from damage; helps with formation of collagen for bones, gums, teeth and skincitrus fruits, blackcurrants, strawberries, papaya, kiwi, green vegetables, orange-coloured fruits and vegetables, orange-coloured fruits			
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	Vitamin E		sunflower oil, peanut oil, nuts, almonds, sunflower seeds,
	Vitamin K		

	MINERALS		
Nutrient	Function	Source	
Calcium	for strong bones and teeth; for normal functioning of nerves and muscles; helps to prevent blood clotting	milk, cheese, yoghurt, cream cheese, kale, rocket, bread, dairy with added calcium and non-dairy alternatives with added calcium	
Fluoride	for strong teeth	tap water, tea (also in toothpaste)	
lodine	to produce thyroid hormones; helps normal brain function	milk, yoghurt, cheese, fish, eggs	
Iron	for red blood cell production; helps immune system and the brain to function normally	red meat, beans, pulses, nuts, seeds, quinoa, wholegrain bread, dried fruit	
Magnesium	for strong bones; helps muscles and nerves to function normally; releases energy from food	brazil nuts, sunflower seeds, wholegrain cereals, wholegrain and seeded breads, brown rice, quinoa	
Phosphorous	for strong bones and teeth; helps to release energy from food	red meat, poultry, fish, milk, cheese, yoghurt, eggs, bread, wholegrains	
Potassium	helps muscles and nerves to function normally; helps to regulate the water content in the body, for normal blood pressure	bananas, blackcurrants, avocado, spinach, parsnip, beetroot, dried fruits (apricots, sultanas, figs), poultry, red meat, fish, milk, wholegrain cereals	
Sodium	helps regulate water content in the body	often added as salt to foods;	
Selenium	for healthy skin and nails; helps immune system to function properly; protects cells in the body against damage	brazil nuts, cashews, sunflower seeds, eggs, poultry, fish	
Zinc	helps with wound healing; enhances healthy skin, hair and nails	meat, poultry, cheese, nuts, pumpkin seeds, pine nuts, wholegrain cereals, wholegrain breads and seeded breads	