The health hazards of early specialization in sports

www.lamorindaweekly.com

By Kevin M. Roth, M.D.



fall I played MOL flag foot- and muscle memory necesball; every winter I played sary for their chosen activ-LMYA basketball; spring ity. With this dedication, was dedicated to MBA focus and training, it would baseball; and in the sum- seem to follow that athletic mers, I swam and played excellence is almost a guartennis at the Moraga Coun- antee. try Club. Playing three physical activities.

ly specialization (it is developing body does not well-known that he began have an adequate opporswinging a golf club before tunity to recover from rethe age of 2). Many parents petitive physical demands. success of the Tiger Woods weakened state, injuries model, have encouraged such as sprains and mustheir young athletes to ded- cle strains are much more icate themselves to a single likely. Further, overused sport. And, intuitively, this muscles have a tendency

s a child growing focus on a single sport are and other muscles, equally up in Moraga in able to hone a specific skill the 1980s, every set and develop the muscles

However, while yearor four sports used to be round baseball, soccer or such as the American Or- athletic advantage, whereas oping child. Additionally, the norm for kids. Today, gymnastics may result in however, young athletes some improvements in increasingly are focused on certain skills, early speyear-round participation in cialization often does not a single sport, a trend called produce the desired result. "early specialization." Ear- Instead, numerous studies ly specialization is defined have shown that early speas intense, year-round par- cialization can lead, among ticipation in a single sport other issues, to overuse to the exclusion of other injuries, burnout, and decreased enjoyment. When Tiger Woods may be a child plays a sport yearthe poster child for ear- round, that child's young, and coaches, following the When the body is in a

important to a developing body, are ignored. It also cannot be overlooked that competitive athletics are mentally and emotionally demanding on children and, without an offseason, those stresses.

thopedic Society for Sports 7 percent of the parents of I recommend that young Medicine, of which I am specialized children said athletes participate in a a member, and the Amer- that they would be willing variety of sports during ican Academy of Pediatrics have warned against the dangers of early spe- two children entering the when we were young - one cialization and uniformly Lamorinda sports world, sport per season. Playing advocate against it. Inter- I see firsthand the pres- multiple different sports estingly, it has been shown sure placed on the kids in allows the development that professional baseball our community, even at of a wide range of motor players who specialized a young age, for athletic skills and gives the child and played only baseball accomplishment. And it's an opportunity to identify prior to high school have a hard not to get swept up in the sports that he or she enhigher rate of serious inju- our early specialization cul- joys. A good rule of thumb ry during their profession- ture. We're a part of a com- is that children should not al careers. While many people believe that Tiger Woods' story is true for all professional athletes, a recent study of professional jing Olympics, and where playing organized sports baseball players showed a hometown hero such as for more than 10 hours per that fewer than half spe- Buster Posey is our neighcialized during childhood/ bor. Further, there's nothing cialize at a young age and/

child to specialize and play one sport.

is appreciated. Parents asin their children's sports participation, from carpooling to and from practices and competitions, arranging outside personal training and instruction, purchasing equipment, and providing encouragement and support. In a recent study, parents of highly specialized youth athletes were more likely to expect play that sport in college or study, no parents from not only allows children formance! the non-specialized group of children said that they musculoskeletal skills, it there may not be relief from would be willing to hold also allows for creativity Physician organizations order to gain a competitive portant skills in a devel-

munity where Matt Biondi started his swimming camakes sense - athletes who to become overdeveloped, adolescence. Further, when quite like seeing your child or who participate in more

sume very important roles and promise in the sport. But I also know through my practice as a sports medicine physician that are steadily increasing and we to do?

to develop a diverse set of their child back a grade in and imagination, both imdevelopmental years. This As a parent now of is how we played sports participate in more hours per week of structured athreer, where seven local ath- letics than their age – so a letes competed in the Bei- 10-year-old should not be week. Children who do spe-

asked, only 22.3 percent of excel in something that he sport per week than their professional athletes said or she is passionate about. age, should be monitored they would want their own I can understand why Earl closely for signs of fatigue, Woods, Tiger's father, be- overuse injuries, burnout, gan teaching Tiger to grip a or decreased performance. Parents often have more golf club at 10 months old These children also should influence in their child's and then continued with be given adequate opporearly specialization than intensive training when tunities for rest, recovery, his son showed interest and non-sport specific conditioning in order to develop other muscles and well-rounded motor skills.

Perhaps most imporpediatric overuse injuries tantly, encourage your children to love the game traditionally "adult" inju- and play for that reason. ries, such as ACL tears, are We may or may not be parshowing up with greater ents to the next Tiger, but frequency in younger ath- we can at least make sure letes. As parents, what are that we're not being tiger parents along the way. I First, I recommend that look forward to seeing you that their child aspired to children be given plenty of at the next soccer game, opportunities for free, un- baseball field, Luna class, professionally. In this same structured play. Free play swim meet, or CAPA per-



Dr. Kevin Roth is a Board Certified and fellowship trained orthopedic surgeon specializing in Sports Medicine who practices in Oakland and Dublin, and lives in Orinda with his wife and two children. More information about Dr. Roth's practice can be found at www. KevinRothMD.com.

Type 2 or Pre-Diabetes?

Almost 50% Of The US Population Is Living With Either Type 2, or Pre-Diabetes... And Most Don't Even Know It. If You Think You're Safe, Think Again! - THIS MAY BE THE MOST IMPORTANT INFORMATION YOU HAVE EVER READ IN YOUR LIFE!

Your doctor orders a lab test blood for you every 6 months, and other than talking to you about your high cholesterol, says nothing to you about your slightly elevated fasting blood glucose number. Does that sound familiar? You should be safe, right? Well depending on the lab, your insurance company, and your doctor, you may not even be told that your glucose levels are abnormally high until it is time for your doctor to recommend medication. And remember, we are talking about a reversable condition

Abnormally high glucose numbers (fasting) begin at 100 mg/dl., but testing only 2 times a year results in a huge number of people being left in the dark, and keeping them in a pre-diabetic state commonly for decades. The easiest time to turn Type 2 Diabetes around is before diagnosis and prescription medication.

"On Average, Type 2 Diabetes Takes Decades To Develop, And The Complications Of Elevated Glucose Levels Have Been Shown To Begin With Pre-Diabetes"

Do you remember what your doctor said to you when he/she gave you the news that you had type 2 diabetes? "You are going to have to make changes in the area of ___ and _____." (You fill

You most likely filled in the blanks with diet and **exercise.** Right? Why do doctors tell their patients this phrase, even to the extent that we know it by memory? Because it's true! But what is commonly the action of the doctor immediately after suggesting this lifestyle change? Typically, something like this, "I am going to prescribe you 500 mg. of Metformin which should help lower your glucose

This is what is clear to almost everyone I talk to who has type 2 diabetes or Pre-Diabetes...Even though there is acknowledgement that type 2 diabetes can be reversed through very specific changes in the way a person eats and exercises, that is clearly not the focus within the insurance environment of today's healthcare.

The focus seems to be on managing the symptoms (high glucose levels) through medication, instead of addressing the cause of this chronic and inflammatory condition, allowing it to progress, which results in devastating complications like kidney failure, heart disease, loss of balance, amputation, blindness...etc.

ENVIRONMENT MAKES THE

DIFFERENCE! Everyone has heard a story of someone within their circle of friends or colleagues reversing Type 2 Diabetes. Scientific literature clearly states that Type 2 Diabetes is reversible. Intuitively most people with Type 2 Diabetes know there is a way to lower high glucose numbers, and sustain them. So, where and how is this taking place?

I am glad vou asked. For the last decade, I have had a laser-like focus within my clinical practice of helping people with Pre and Type 2 Diabetes learn to understand how the human body responds to different food. Macronutrients specifically (Proteins, fats, and carbohydrates). Successfully, this focus returns glucose levels to a normal and healthy range. When normal fasting glucose levels are attained, prescribing doctors typically reduce and/or eliminate medications.

Let me say this...I am not saying that everyone is ready to make the changes required to exit a Type 2 diabetic state. I don't even know if you qualify for my Balancing Blood Sugar Program. That is yet to be determined, and requires a proper history and examination. And I know that you've been overwhelmed with information which seems to contradict what you read the day before about reversing That is why I'm offering you a seat at my next live presentation, this coming Saturday Here's you'll get:

- A CLEAR and SIMPLE description of the fundamental causes Type 2 Diabetes.
- · Exactly what is takes to lower glucose levels (Naturally), and keep them there.
- How and Why Type 2 diabetes creates Kidney Failure, Peripheral Neuropathy, Heart Disease and Loss of Balance.
- · Personal examples of several of my patients who have completely turned Type 2 Diabetes around, NATURALLY!

The information that you will receive during this presentation has been described as, "...unlike any conversation taking place during your typical HMO/PPO doctors office visit." These principles of exiting the state of Type 2 Diabetes are simply not what insurance-based healthcare is focused on.

I don't have the space to go into more details here, which is why I am inviting you to a 60 minute, live presentation. The old-fashioned kind where a you can relax, sit and listen to a knowledgeable, practicing doctor, feeling comfortable enough to ask any question you like.

The word Doctor literally means Teacher (in Latin).

Why hasn't your doctor told you about this approach? Because it doesn't fit into the model of "Let me give you a medication to cover up the problem". This is a functional approach to correct the problem, not unnaturally lower sugar numbers.

Here's What To Do Now This Saturday morning, September 29th, at 11am, Harvest House Natural Foods in Concord, is Dr. Thomason's only scheduled talk on "How To Exit The State Of Type 2 Diabetes" on calendar for this year. There is no cost to attend. Call 925-407-0888 today and we can reserve a seat for you and a loved one.



Our office is located on Olympic Boulevard in Walnut Creek; just a few minutes from you.

When you call tell the recentionist you'd like to attend the Type 2 Diabetes Presentation so she can reserve your seat. You will also be provided a delicious and healthy lunch following the presentation at no charge.

Sincerely,

Dr. Brian E. Thomason, D.NMSc, BCIM, D.C.



PRESENTING DOCTOR: Brian E. Thomason, D.NMSc, BCIM, DC, CAFNI. Dr. Thomason has post-graduate training in functional neurology, blood chemistry analysis, neurotransmitters, and functional endocrinology. He has been helping people both locally and internationally return glucose numbers to normal for the past 23 years. If you have been diagnosed Type 2 Diabetes or Pre-Diabetes and medications are not working for you, there is hope, there are answers.

To Reserve a seat at this Saturday, September 29th, 2018's informative and entertaining presentation...

Call (925)-407-0888 (Attendance is Free, but seating is limited to the first 26 who register)