Elite Training Seminar HKSI

7 October 2009

Changing Role of a Team Physician 1988 - 2009

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Prior to 1988

Post 1988

Initial Role

Physician Coverage

On the Field Care

Pre-participation Check Up

Physician Coverage

Only for multisport events

Olympics, Asian Games, Commonwealth Games,
 East Asian Games, Asian Indoor Games,
 Asian Winter Games, Asian Beach Games

Occasional single events

- FINA Indoor Competition
- Rugby

On The Field Care

Usual primary care and emergency treatment

- First aid, suturing, dressing
- Cramps, sprains
- Concussion
- Return to play
- Referral plan
- Ambulance arrangement
- Medical kit

Pre-participation Check Up

For

- 6 Olympics
- 5 Asian Games
- 5 East Asian Games
- 3 Asian Indoor Games
- Pacific Ocean Games
- Commonwealth Games
- Asia Beach Games
- Martial Art Games
- Over 3,000 athletes

Pre-participation Check Up

	Name:	Date:	
Name:	Sport:		nnairea
	1. Histiory of Injury:		onnaires
HAVE YOU EVER HAD?	Ligament Sprain:		
Anemia/ Severe Nose Bleeds			
Allergies/ Hay Fever	Musculo-Tendonous Strain:		
Bee Sting Allergy			
Asthma	Patello-Femoral Complaint:		
Arthritis			
Back Pain/ Injury	Fracture:		
Scoliosis	Dislocation:	PREPARTICIPATION ATHLETIC EXAM	
Bladder/ Kidney Problems (including one Kidney)	Concussion:	New	Copy: SF&OC of Hong Kong, China
Dental: Braces	Other:	Continuing Sport:	Team Physician/ Manager
Capped teeth	2 III: to an affermant	Name: (Chinese)	Date of Birth:
Diabetes	2. History of Surgery:	(Last) (First) (Middle)	
Ear Problems/ Hearing Loss		Address:	Tel. No.:
Eye Problems/ Loss of Vision in one eye	3. Structural Exam:	Skin Fold Thickness:	Post P. E. Screening:
Wears: Glasses	Body Type: Ecto	Chest X-ray Needed: Yes No Date Taken:	Health History Review:
Contacts	Genu Valgum:	(Within Calendar Year) Lab Results: Hgb. OK Urine OK Recheck	Pulse Rate within normal limits after exercise:
Fainting Spells	Squinting Patella:	Lab Results: Hgb. OK Urine OK Recheck (Please specify)	
Convulsive/ Seizure Disorder	Hypermobile Patella:	Vision with glasses: R [.	Check P.E. Form for Completion:
Headaches - Frequent	Foot Pronation:	Height: Pulse: BP:	Cacor I.E. Form for Compretion.
Head Injury/ Concussion	Muscle Mass Deficit:	Stationary Bicycle: 1 min PR: p 3 mins rest:	1
Heart Trouble/ Murmur		minimum 100 maximum 100	DR.
High Blood Pressure	Other:	Dip Tet Dates:	(Signature)
Rheumatic Fever		Physical Exam	Rechecks:
Hernia	4. Flexibility Exam:	EYE ENT	Reason:
Absence of Testicle	+ - Palms to Floor + -		
Knee Pain/ Injury: Osgood- Schlaters	+ - Knee Hyper Ext. + -	Heart: Skin-	
Chondromalacia	+ - L. E. Turn Out + -	Abdomen: Lungs:	Comments:
Broken Bones/ Dislocations	+ - Lotus + -	Hernia: Spine & Extremetics:	
Ever Had Cast or Crutches	5. Muscle Testing:	Breasts:	
Hospitalization/ Operations	A. Hand: R / L	Head: Other:	Clearance denied (date):
Stomach Ulcer	Grip: Tip Pinch:	OK for Unrestricted Activity: Yes No	
Tumour	Side Pinch	Reason if No:	DR.
Splenectomy	B. Cybex: (See Tracing attached)		(Signature)
Other Conditions/ Injuries which required medical ca	6. Cleared: Not Cleared	Note: Contraindictions to Contact Sports Absent Organs (i.e. eye, kidney, testicle)	
Under Doctor's Care now		Blood Dyserasias	Cleared (date):
Taking Medicine now	7. Comments:	Cardiac Disease DR.	DR.
Others:		Unrepaired Hernia (Signature)	(Signature)
	3. Examiner:	Myopia - 20/200 in one or both eyes (uncorrected)	(

Pre-participation Check Up

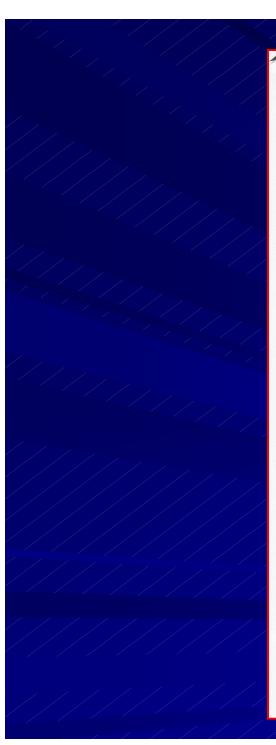
4-part Check Up

- General
- Cardiopulmonary
- Musculoskeletal
- Special Organs

Despite its apparent simplicity:
Actually quite effective
Interesting statistics

Smokers
Hepatitis B carrier
Heart murmur - ? Floppy Valve
Joint instability – shoulder, knee, elbow, ankle
Muscle tightness

- Organ enlargement liver, thyroid
- Eye ground abnormality
- On supplements



HONG KONG SPORTS INSTITUTE LIMITED 香港體育學院有限公司

APPENDIX I - SWIMMING

13th June, 2008

To whom it may concern

Dear Sir / Madam,

This is to certify the following athletes are enjoying good health and are fit to take part in the coming Olympic Games in Beijing 2008.

Thank you very much for your kind attention.

Yours faithfully,

Dr. Wong Ping San John Modical Consultant Hong Kong Sports Institute Limited Dr. John P S Wong MBBS (HKU) M Phil (CUHK) Medical Consultant Hong Kong Sports Institute

Temporary headquarters ; 2 On Chun Stroot, Ma On Shan, Sha Tin, N.T., Hang Kong 。 臨時總部:香港納界沙田馬融山和酸街2號 . Tel 司话: (852) 2681 8866 Fax 核石: (852) 2695 4955 URL 編址: www.hksl.org.hk

Current Role

Risk Assessment

rather than

Determination of Fitness to Participate

Hong Kong Olympic Academy Certificate Course Public Media Technique – Rules – Equipment Review Sports Specific Special Situations - exercise on: – heat – cold – water

high altitude, etc.

Three-month bans for four after doping confessions

34

Four of five Jamaican athletes hauled before a doping tribunal have been banned for three months.

An appeals tribunal barred Marvin Anderson, Lansford Spence, Yohan Blake and Allodin Fothergill after they admitted using methylxanthine, overturning a decision by the anti-doping disciplinary committee, which last month found the athletes not guilty.

Female sprinter Sherry-Ann Brooks had previously been cleared, following a breach in testing her urine samples.

All five had been named to represent Jamaica at the world championships in Berlin last month but officials did not let them participate while the case was on-



and world sprint champion Usain Bolt plans to try the long jump, but is in no hurry to do so "I did say that I wanted to do the long

jump but that will not be any time soon," Bolt said in

Kingston. "I want to try the long jump before I retire, maybe five years from now." The 23-year-old remains unde-

cided about competing at next year's world indoor championship and Commonwealth Games.

"I have never competed at an indoor meet before and I have never competed at the Commonwealth Games, so I will see what my coach has in store for me and then decide," Bolt said.

DOPING

SUNDAY MORNING POST SUNDAY, JULY 26, 2009

Champ fears for sport after compatriots caught My efforts undone by positive tests: Bolt

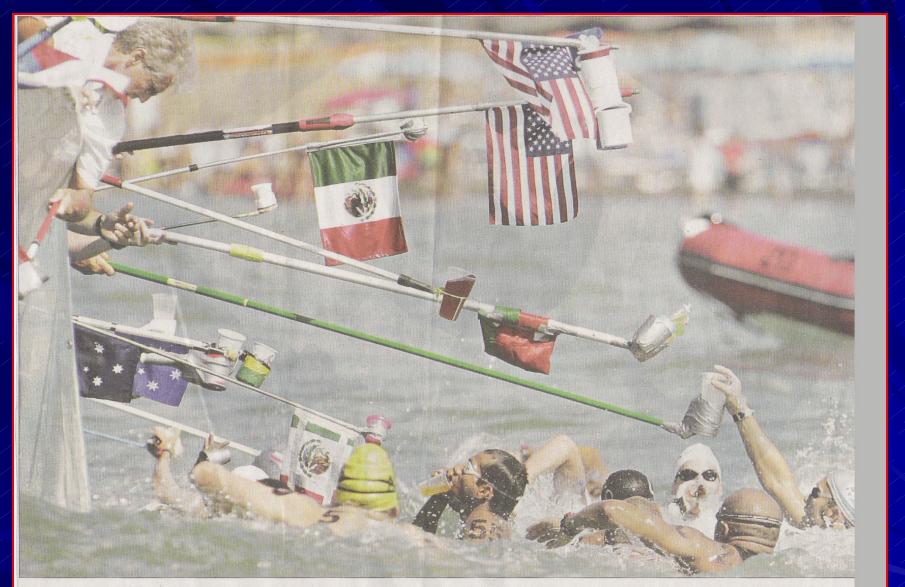
Fair Play –

- Conceptual or
- Realistic
- Aidôs

Inadvertent Doping

Intentional Doping

What about other forms of cheating?



Water, water everywhere. Swimmers refresh themselves during the men's 25-kilometre open water race yesterday at the World Swimming Championships in Ostia, near Rome. Italy's Valerio

Cleri easily clinched the crown to more than make up for missi medal in the 10km race. He won in five hours, 26 minutes to ro of delight from the home crowd. Photo: AP

Should swimsuit world marks carry asterisk

BY WORLD CUP. SOCCER C13

o steroid scandal So how dirty are the others?

Jim Litke in New York

Everybody assumes America's best track and field athletes are on the juice. If it's true, imagine how dirty the pros in other sports must be. Sprinter Jon Drummond, who

ran a leg for the US gold medalwinning relay team in Sydney two years ago, sent an e-mail on Tuesday that hints at how much bigger a splash this "designer steroid" story could still make. He notes that US track and field

athletes can be tested anytime, anywhere and have been, about 1,700 times by the end of this year. They are tested more often for more substances than any other individual or team sport athletes in the world. On top of which, their samples are analysed in state-ofthe-art labs by the best scientists money can buy.

Drummond doesn't mention, though it's certainly worth noting, that even the richest among them doesn't make one-quarter of what a big-league slugger or big-time running back makes. So not only is there presumably less incentive to cheat; they have less to spend on chemists, trainers and even law-

And there is no arguing with his conclusion: "However, this is a great day for track and field because the cheaters are being caught and that is exactly what's supposed to happen," he says. "I hope the good that comes from this, besides cleaning up our sport even more, will be other professional sports will begin taking anti-doping as seriously as track and field."

By now, everybody has heard some of the names and numbers being thrown around as a result of the federal grand jury probe into a nutritional supplement firm suspected of concocting the "designer steroid" tetrahydrogestrinone -

called THG-that until recently was undetectable Victor Conte, the owner of that firm, Bay Area Laboratory Co-Operative, or Balco, has said (also in an e-mail) he was told by athletes that 40 Olympic and professional athletes have been subpoenaed. Baseball stars Jason Giambi and Barry Associated Press

Bonds have received them, while maintaining their innocence, as have sprint stars Marion Jones, Kelli White and shot putter Kevin Toth. And Terry Madden, who heads the US Anti-Doping Agency that

took over testing of track and field athletes in 2000, did nothing to dampen speculation about who else the grand jury might summon when he said last week: "I know of no other drug bust that is larger than this involving the number of athletes involved." Especially be-

> team at UCLA's Olympic Analytical Laboratory that identified THG, told the New York Times: "Athletes may have been using it for months or even years. Are there more drugs like it out there? My instincts tell me ves. We really don't know how many athletes are using designer steroids, but things will become clear in the coming months."

> So assume, for the moment, anyway, that some of them are Olympians. Craig Masback, who runs USA Track & Field does. So does US Olympic Committee president Bill Martin.

> cheat and testing deters others, but let's not kid ourselves. Everybody in our society, in almost every endeavour, is looking for an edge. There will always be a few out there trying to beat the system," Masback

tling about the whole mess: If their sport is anywhere near as dirty as some of the evidence suggests, considering how much more is at stake in baseball, football, basketball and all the rest all around the world, you don't want to know even half of what's really going on.

cause Madden refused to reveal the names, genders, sports or even the number of athletes that had tested positive. But it gets worse. Don Catlin, a molecular pharmacologist who led the eight-man

"Most of our people wouldn't

Added Martin: "I don't see how we can't be concerned, and not just at this moment. My feeling is that some number of them will always be a half-step ahead of us. But it doesn't mean we will quit trying to catch up.

But here's what's truly unset-

D US TEAM AT ATHENS'

NORWICH

MUNICH 200

they were not going to be found out. So, cheating in the rawest form." He said if what officials were hearing "is true, then it will produce some names who have tested positive high up in the area of track and field, not only in the United States but, potentially, internationally

"We are told from people close to the source . . . that these names are big," said Howman. Asked what it could mean for the Athens Olympics

in 2004, Howman said athletes shown to have been taking the steroid would be disqualified from competing and this could affect "a number of very high class, elite athletes, particularly from the United States . . . which could mean a very depleted United States athletics team". Associated Press

American implicated in the THG affair. Photo: AP

Nutraceuticals

Sports Pharmacology

Athlete A

 Hyperthyroidism placed on Neomercazole and Atenolol
 Effect on HR, BP – reduced cardiac output

 Lactate concentration

 VO2 Max
 Energy Substrates –
 adipose tissue lipolysis

 Endogenous hormones

Rehabilitation

- Physician
- PTs
- ATCs
- Strength and conditioning specialist
- Transition from Medical care to Performance Care
 - i.e. injury resolution to performance resumption

Research

Injury statistic gathering each game
Since 1988
IOC doing it in 2008 Beijing Game
Current interest

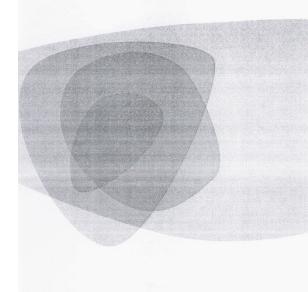
- ACL tear in female athletes
- Achilles tendon rupture
- Muscle strain recovery

Injury Prevention

-09D INTERNATIONAL OLYMPIC

COMMITTEE

Beijing Olympics Injury **Prevention Study**



Detailed information for Team Physicians and Physiotherapist

/	INTERNATION. OLYMPIC COMMITTEE	A1		奥运会银	登 日	伤损报告		Reiji Q
	国家			大夫姓名		E	期	
J	联系方式(电键 请报告:在奥运会 所提交资料乃供 例子 定义与	注期间的 医学研究	七赛和 注用,	训练中,运动员遭受的全部 并将予以保密.	\$伤损(f	创伤和劳损), 无论运动员因此发	丕能继续	非参加竞赛或训练
R				运动项目/ 赛事 田径赛100米 (女子)	0	轮次/预赛或训练 四分之一决赛/第一轮预赛	0	伤损日期和时间 8月12日 - 下午2:35
	伤损部位 左手腕	0	编码 15	伤损类型 扭伤 5	编码 9	伤损原因 滑倒和跌倒 6	编码 21	养伤天数 10
	运动员注册号		运动项目/赛事		轮次/预赛或训练		伤损日期和时间	
	伤损部位		编码	伤损类型	编码	伤损原因	编码	养伤天数
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	伤损部位		编码	伤损类型	编码	伤损原因	编码	养伤天数

定义与1-7项注释

● 运动项目/赛事

如果是团体比赛项目,请仅注明运动项目(比如:足球、手球、篮球), 其它所有的运动,请注明运动项目和赛事(比如:游泳 - 4x100米女子自由式援力;怪赛 - 110米男子跨栏; 十项全能 - 就远;跆拳道 - 58公斤以下;自行车赛 - 团队追逐赛)

2 轮次/预赛或训练

如竞赛中发生伤损,请注明竞赛轮次: 团体比赛项目:场次或敌队,

四中山顶水山---初入浓和水、 其它所有的运动项目:竞赛(首轮,四分之一决赛,资格赛,决赛,等等)和预赛或小组賽场次(第一场预赛 第一场半决赛,A组资格赛,等等). 如伤损发生于另一场合,请与以具体说明(出如训练,热导).

伤损日期和时间

请具体说明伤损发生的日期和时间.

伤损部位 - 何处有伤 躯干	上肢	下肢	
1 面部(含眼,耳,鼻) 2 头部 3 脖子/颈椎 4 胸椎/上背 5 胸板/肋骨	11 <u>周</u> 部/锁骨 12 上臂 13 肘部 15 手筋 16 手部 17 手指 18 拇指	22 股部 22 股股沟 23 大腿 24 膝盖 26 跟腱 27 脚脖子 踝矢节 28 脚/脚指	
伤损类型 - 诊断			
2 骨折(创伤) 3 应力骨折(劳损) 4 另类骨损伤 5 脱位,半脱位	 非不稳定性适应的韧带破裂 宣告(关节和以起物带伤损) 甲片板或软骨指伤 甲杆板或软骨指伤 14 机伤/肌断裂/激裂 12 挫伤/血肿/指伤 13 慢生的爆炎/肌腱病变 14 粘液囊炎 	 16 牙伤 / 牙破碎 17 神经损伤 / 脊髓损伤 	
伤损原因			
2 劳损(突发)	 与其它运动员的接触 接触:移动物体(如球) 接触:停滞物体(如跨栏) 进规(严重犯规) 	22 气候条件	
养伤天数 - 因伤病而不能参加	训练或竞赛的估计(天数)		

小U/A PU/MII/小肥多	》加州尔兴克贡印伯时(入致)
请提供运动员不能参加或完成了	正常训练计划的估算天数.	
0 = 0 天 1 = 1 天 2 = 2 天	14 = 两周 21 = 3 周 28 = 4 周	> 30 = 四周以上 > 180 = 六个月或六个月以上
7=1問	20 - 4 /aj	

Challenges & Frustrations

Communication

– They don't necessarily tell you the truth anymore!

– No After Care

No Feedback

Fitness to return, who decides?

"The Olympic Sports Medicine Team"

Litigation

Genesee Valley Sports Medicine Council

Is talent, hard training enough to get to the top?

Exodus 17.10 So Joshua fought the Amalekites as Moses had ordered, and Moses, Aaron and Hur went to the top of the hill.

Exodus 17.11 As long as Moses held up his hands, the Israelites were winning, but whenever he lowered his hands, the Amalekites were winning.

Exodus 17.12 When Moses' hands grew tired, they took a stone and put it under him and he sat on it. Aaron and Hur held his hands up – one on one side, one on the other – so that his hands remained steady till sunset.

Exodus 17.13 So Joshua overcame the Amalekite army with the sword.

Thank you!