

***20 year old athlete, established NBA player (7'; 290#)
\$60M contract pending***

Recent event:

***complained of dizziness before game
wide-complex VT in locker room***

Immediate work-up:

***trainer routinely gave a "cocktail" drink
negative, except for low Mg
"Athlete's heart" on echo***

Consultant work-up:

***MRI– anterior VS = 17 mm
segmental LVH?***

Echo– mild SAM; normal velocity

Genetic testing– refused (by agent)

Dx? “Athlete’s heart” & no big deal...or?

What would you do?

- A. Disqualify and risk lawsuit for obstructing employment***
- B. Allow to play and make Bulls a better team and check ESPN every 6 hours***
- C. Punt and call an “expert” like that “guy in Minneapolis”***
- D. Order more tests like exercise echo and EPS...by the way he refused EPS***

History

22 y/o NHL player of note

Asymptomatic; no medications

Preparticipation screening ECG abnormal → echo
and Dx HCM

Exam

No murmur

ECG: Diffuse T↓ --GNT in precordial leads (14 mm)

Tall voltages (30 mm) *[bribed the ECG tech]*

Echo/MRI: Apical LVH (20 mm)

SAM absent

What to do?

A. Disqualify?

B. Discuss w/Detroit Red Wings?

C. Discuss w/ team MD?

**D. Allow to continue...w/...either
AED, Drugs, ICD
Alcohol ablation**

E. No big dealits only apical HCM

By the way...what happened?

History

16 y/o high school FB player

Aspiration: college FB

Asymptomatic

Family history:

2 brothers ⊕ alive

father ⊕ w/1^o prevention ICD (no shocks)

uncle: *SD age 20 during baseball; no Dx*

Elective (commercial) genetic testing: *MBPC mutation*

Exam

No murmur

Echo/MRI: 11 mm; no SAM

no DE

What to do?

A. Disqualify?

B. ICD?

C. Both?

D. Close follow-up w/ imaging

History

20 year old Junior, U. Wisconsin

Elite running back with legitimate NFL aspirations

Asymptomatic

***Preparticipation screening exam → murmur → ECG/echo
and Dx HCM***

Maternal grandmother SD (29); ambiguous autopsy

Exam

3/6 SEM apex/LLSB

T↓ diffuse

2DE: AVS = 40 PVS = 35

Moderate SAM– normal velocity LVOT

MR 1+

Stress echo: 60 mm Hg; attenuated BP response

What to do?

A. Disqualify?

B. Call the University/coach?

C. Beta-blocker and play?

D. AED and play?

E. ICD and play?

F. Alcohol ablation and play?

Its been 4 years...what happened?