



March 10, 2015

RE: Micah Dover DOB: 3/24/2014

Dear Ms. Peele,

I have reviewed the medical records, X-rays, and correspondence that you have provided me regarding the unexplained fractures noted in Micah.

Micah was the 3920 gram product of a term pregnancy and Cesarean delivery because of arrest of dilation.

At 16 weeks of age you noted that Micah was in rib pain and took him to WakeMed where an evaluation revealed the following:

1. Normal skin exam in ER by nurse
2. Skeletal Survey
 - a. Rib fractures: Acute posterior - LEFT 3-6
 - b. Rib fractures: Healing posterior - LEFT 7-9
 - c. Rib fractures: Healing posterolateral - RIGHT 6-9
 - d. Rib fractures: Healing posterior - RIGHT 8-10
 - e. Bilateral acromion fractures: LEFT-healing; RIGHT-acute
3. Blood studies
 - a. 25-OH Vitamin D 19.6 ng/ml (Normal: 30-100)
 - b. 1,25-DiOH Vitamin D >190 pg/ml (Normal: 10-75)

You were diagnosed with the hypermobile type of Ehlers Danlos Syndrome (EDS) by Dr. Michael Hollick.

I have reviewed the X-rays with radiologist Dr. David ayoub, and we find evidence of metabolic bone disease (MBD) with the following:

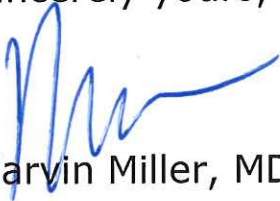
- a. Looser Zone of the rib
- b. Cortical tunneling
- c. Mild cigar ash sign of the metacarpals
- d. Thick physeal bands

The risk factors that I note for MBD include the following:

1. Probable maternal VD deficiency based on Micah's level
2. Maternal EDS-type 3

The markedly elevated 1,25 DiOH vitamin D level is consistent with MBD. The occurrence of some 14 rib fractures without serious thoracic injury is also consistent with MBD, as these are most likely fragility fractures.

Sincerely yours,



Marvin Miller, MD

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