Clavicle fractures in newborn – when should we be concerned?  
Case report  

Dr. Ramona Dumitru  
Dr. Muthu Yeshwanth  
Glangwili General Hospital, Carmarthen, Wales, United Kingdom
Injury during birth is a recognised cause of neonatal morbidity and mortality.

Fracture of the clavicle is relatively common during a vaginal delivery and the incidence of fractured clavicle is between 0.4%-2.9% of all newborns according to the latest studies.

Up to 40% of clavicle fractures remain undetected while the baby is in hospital.

But when should we be concerned?

When should a clavicle fracture should make us think also about safeguarding?
4 days old newborn was referred for jaundice.

The baby was born via normal vaginal delivery, no history of shoulder dystocia.

Birth weight was 3.4kg.

Good movement of arms.

Baby had been discharged from hospital 48h prior and newborn examination was normal at the time of discharge.

A bruise was noted below the right clavicle and mother said has noted it the night before, but unable to justify it.
Investigations
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- Was it a missed clavicle fracture from birth or trauma occurred while baby at home?

- Should we be concerned or should we assume it was missed?
Conclusions

* In our case, the baby and the parents underwent the safeguarding process, the police and social worker were involved but in the end it could not be determined with certainty which was the cause of the fracture, assigning it to a birth trauma.
* We strongly believe that if there is no obvious and clear mechanism of occurrence, it is in the best interest of every child to be investigated in order to rule out trauma.

THANK YOU!