

**Intramembraneous Ossification Song**  
*To the tune of The Beverly Hillbillies Theme Song*

Intramembraneous is nothing you should fear.  
First thing you know an **Ossification Center** appears.  
Mesenchymal cells cluster together kinda fast,  
next thing you know they become osteoblasts!  
(Bone forming cells, that is...laying down osteoid)

Well that **osteoid mineralizes** in a few short days,  
it becomes **bone matrix** and there the osteoblast stays.  
It builds so much around itself and has no food to bite!  
That's when an osteoblast **becomes an osteocyte**.  
(Mature bone cell, that is...hanging out in the bone)

Next thing you know **embryonic vessels invade**.  
Bone grows around it, it's how **woven bone** is made.  
Osteoid gets laid down oh so randomly!  
This network formation is called **trabeculae**.  
(Temporary, that is...different from spongy bone)

Mesenchyme on external membrane faces condense.  
This **forms the periosteum**, which supplies bone with nutrients.  
**Remodeling continues** from birth through childhood...  
A **bony collar forms**, as I'm sure you knew it would.  
(A stabilizer, that is...trabeculae thicken & merge)

With the bony collar in place the bone is held steadfast  
as the **inside is broken down** by the osteoclasts.  
Woven bone is **replaced by diploe**....  
It **fills with red marrow**, and now your bone's ready!!!!!!

Marieb, E. N. (2006). *Essentials of human anatomy & physiology* (8th ed.). San Francisco: Pearson/Benjamin Cummings.

Martini, F., & Ober, W. C. (2006). *Fundamentals of anatomy & physiology* (7th ed.). San Francisco, CA: Pearson Benjamin Cummings.

