

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!!!!!!!