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…trebeculae 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!!!!!!!

