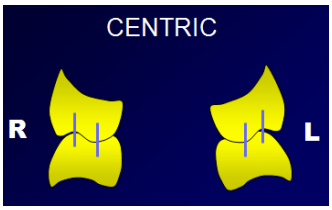
Due to inherent characteristic of resins to shrink during processing, there are dimensional changes in the dentures resulting in compromised balanced articulation. *That's why we have CEF.*

CORRECTION OF ERRORS IN FABRICATION

- **Main objective:** Restore balanced articulation after dimensional changes (due to denture processing) have occurred.

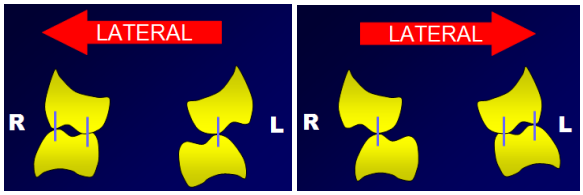
- **CENTRIC OCCLUSION**
  - Maximum intercuspation
  - "Perfect" interdigitation"
  - Cusp-fossa relationship
  - "4-point contact"
  - Balanced occlusion



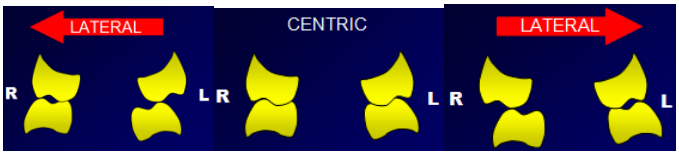
- *To illustrate, these are the posterior teeth set at centric. You have 4-point contacts between the cusps and the fossae.*

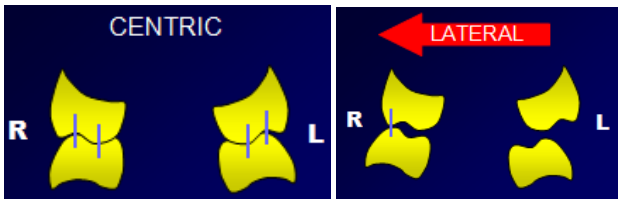
BALANCED ARTICULATION

- **BALANCED ARTICULATION**
  - Balanced occlusion in eccentric positions
  - At lateral, "3-point contact"
    - → *2 contacts on the working side and 1 contact on the balancing side*
  - At protrusive, tripod effect
    - → *2 at the posterior (right and left) and 1 on anterior*



- *So from centric occlusion, when the mandible moves laterally and protrusively, you still want to maintain a state of balance. And that is what we want to achieve in balanced articulation.*



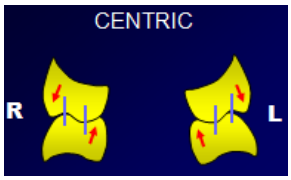


- NOW, WHAT IF… You have centric occlusion but when you move it to the lateral there is a premature contact or only one contact instead of 3.
  - *If this is the case, pipilitin nyang magcontact on the lingual which can result into dislodgement of the denture*

- ANSWER: KILL THE **BULL**
  - **BUCCAL OF UPPER**
  - **LINGUAL OF LOWER**

- **THE BULL RULE**
  - *If the* centric contacts are adequate
  - *While the* lateral contacts are less than adequate
  - Reduce (judiciously) the following CUSPS:
    - → **B**uccal of the **U**pper
    - → **L**ingual of the **L**ower
    - → *Depending on which cusp is making an interference*

- WHY BULL



  - *Because they're non-functional cusps so when you reduce them during eccentric positions, you do not affect the centric occlusion.*
  - *At centric, they don't make any contact that's why you can reduce them. So pwedeng-pwedeng i-grind yon without affecting the centric occlusion as well as the vertical dimension because once you change the eccentric occlusion, nabawasan na yung fuctional cusps nyo, bababa na yung VD. That's why you grind **judiciously**.*

- **RULES FOR SELECTIVE GRINDING**
  1) **Never grind a centric cusp tip** unless it contacts prematurely in all excursions of the mandible. Always grind the opposing **FOSSA**.
  2) **Utilize the BULL rule** when perfecting working occlusion. Grind the Buccal cusp **RIDGE** of the Upper and the Lingual cusp **RIDGE** of the Lower.
  3) When grinding to perfect balancing occlusion, **never grind the interfering cusp tips** but grind the cusp **INCLINES**.
  4) In correcting PROTRUSIVE interferences in the anterior teeth, grind on the **labial** portion of the incisal edges of the lower teeth and the **lingual** portion of the upper teeth.

- For interference in the posterior teeth, reduce the upper buccal cusp **SLOPES** and the lower lingual cusp **SLOPES**.
- Grind **judiciously** to **preserve denture teeth anatomy** and **preserve vertical dimension**.