

## Evaluasi uji diagnostik fraktur tulang muka bagian 1/3 tengah dengan foto-foto radiologis di instalasi gawat darurat RS Cipto Mangunkusumo = Diagnostic testing evaluation of midfacial fracture by conventional radiography at the emergency room of Cipto Hospital

Makagiansar, Irinawati N., author

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### Abstrak

*Objective* : To measure sensitivity and specificity diagnostic finding of convensional radiography in midfacial fractur performed at the Emergency room of Cipto Hospital and to evaluate its quality.

**Design and Main Outcome Measures:** In this diagnostic testing 35 patients with clinical signs of midfacial fracture were investigated. All patient underwent radiography examination at the Emergency room (Anteroposterior, Lateral and reverse Waters view). X ray photo were expertised by a plastic surgeon and a radiologist, both of them without knowing the clinical conditions, and by the residen who received the patient at the ER. Then we compare radiographic and intraoperative findings as goal standard, The results were analyzed by statistical testing (for sensitivity, specificity, positive, negative predictive value).

**Results:** The result showed that sensitivity and specificity varied between plastic surgeon, radiologist and residen but still high, and we noted that clinical examinations revealed to be very helpful in the assessment of an inadequate imaging fracture.

**Conclusion:** Conventional radiography performe at the Emergency Room of Cipto hospital has high specificity although the quality is considered substandard. Clinical findings is still very important to distinguished uncertain fracture.