



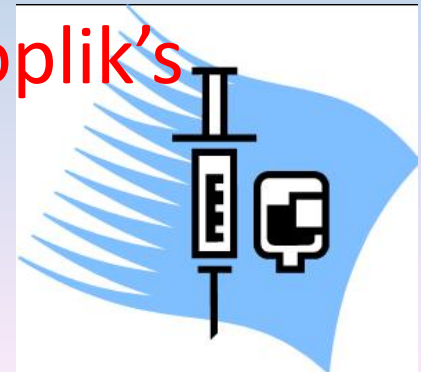
First dose of MMR vaccine  
should be used at **12 months** old

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# At a tertiary care hospital

- A one year old boy was admitted because of **high grade fever** & dehydration for one day.  
Imp. URI with dehydration.
- 3 days after admission he had progressive **non productive cough** and developed **generalized erythrematous MP rash**
- PE: **bilateral conjunctival injection, Koplik's spot +**



# Measles?

- Air borne transmission
- At general Pediatric ward, There were ten Children admitted. (6 mo-2 yr)
- Seven of those got MMR vaccination at 9 months years old. → Observe



- **2 children who receipted MMR vaccine develop fever with rash 3 days later.**



# Vaccine failure ?

- 1<sup>st</sup> dose MMR vaccine → **efficacy 95%** in **children > 12 months old**
- seroconversion rates after MMR immunization are significantly **lower in children immunized before the first birthday** than are seroconversion rates in children immunized after the first birthday.

