

Webinar on

# DENTAL AND ORAL HEALTH

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## Dental Management for patient with Mondini Syndrome

**Mona Al Wakeel**

Prince Sultan Military Medical City, Saudi Arabia

**M**ondini syndrome is a rare congenital sensorineural deafness. Malformation of cochlea in inner ear unilateral or bilateral. May cause hear loss, recurrent meningitis and otorrhea. Mondini syndrome can be isolated or combined with other ear malformations or other syndromes (6). The condition occurs at seventh week of embryonic development due to arrested development of cochlea (1). Mondini dysplasia [MD] was first described in Latin by Carlo Mondini : Italian anatomist in 1791 after dissecting the inner ear of an 8 year old deaf boy (2) Mondini dysplasia is congenital malformation of cochlear with dilatation of the vestibule, aqueduct, and ampulla, and incomplete partition of the cochlea.(3) it can

be unilateral or bilateral, profound sensorineural hearing loss or with residual hearing or normal hearing .(4-5) cerebrospinal fluid (CSF) leakage is relatively common, and CSF rhinorrhea or otorrhea may develop (7).Recurrent meningitis is easily complicated and leads to a diagnosis of Mondini dysplasia(8).

As a health care provider there is difficulty to communicate with hear impairment patients due to little awareness with communication tools. The purpose of this case report is to focus how to treat with Mondini syndrome and deaf patient in dental clinic.

### Biography

Mona Al Wakeel is a consultant restorative in Prince Sultan Medical Military City in Riyadh..