Case 1

32 year old female
Incidental finding regio 38
Diagnosis Case 1
(Focal) osseous (cemental) dysplasia
Etiology unknown
Periapical, focal and florid subtype

Periapical osseous dysplasia
anterior mandible
multiple > solitary, 3rd-5th decade
♀ : ♂ = 10-14 : 1
vital teeth, no previous procedures
localized periapical osteolysis

possibly fusion of lesions

progressive mineralization (with lytic rim)

NO fusion with teeth!
NO expansion of jaw bones!
Focal osseous dysplasia
posterior mandible
90% ♀, 3rd-6th decade

Florid osseous dysplasia
bilateral / all 4 quadrants
> 90% middle-aged (black) ♀
Histologic findings

identical in all subtypes!
irregular woven bone and cementum
loose fibroblastic stroma
strongly resembles ossifying fibroma
fuses with surrounding compact bone
Differential Diagnoses

Ossifying fibroma
Fibrous dysplasia
Ossifying fibroma

2nd-4th decade, posterior mandible
expansion of jaw bones
circumscribed, no fusion with compact bone
JTOF and JPOF as special subtypes
continues to grow without therapy
Fibrous dysplasia
children / young adults
maxilla > mandible, mono- > polyostotic
uniform histology with woven bone trabeculae
no osteoblastic rimming, radiating fibres
postzygotic GNAS1 activating mutations
Ossifying fibroma (incl. subtypes)  26
Fibrous dysplasia          16
Osteoma                   7
Osseous dysplasia (incl. subtypes)  5
Osteoidosteoma           5
Osteosarcoma              3
Osteoblastoma             2
Other                     6