**Supplementary**

**Table 1: Reported cases of central granular cell odontogenic tumor (CGCOT)**

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| S. No | Author | Nomenclature | Age/Sex | Location | Radiographical feature | Positive Immunomarkers | Treatment | Recurrence /  Follow up |
| 1. | Werthemann (1950) | Spongiocytic adamantinoma | 39/M | ND | ND | ND | ND | ND |
| 2. | Couch *et al.* (1962) | GCAF | 55/F | Left mand. molar | Radiolucent loculated borders | ND | Removal of lesion with tooth | No/8months |
| Couch *et al.* (1962)\* | GCAF | 59/F | Left mand. canine | Radiolucent loculated borders, focal densities | ND | Removal of lesion with tooth | No/27months |
| 3. | Waldron *et al.* (1963) \* | GCAF | 60/F | Left mand. canine | Radiolucent indistinct borders, focal densities | ND | Excision with  Enbloc bone removal | No/29months |
| Waldron *et al.* (1963) | GCAF | 53/F | Left mand. molar | Cystic radiolucency displacing tooth | ND | Removal of lesion with tooth | No/3months |
| 4. | Gorlin & Goldman (1970) | GCAF | 50/F | Mand. molar region | ND | ND | Curettage | ND |
| 5. | Dalforno & Donna (1970) | AF with stroma of GC | 57/ND | Left mand. molar | ND | ND | Curettage | No/6 months |
| 6. | White *et al.* (1978) # | Central GC tumor of jaw | 50/F | Mand. canine | Radiolucency | ND | Curettage | No/6months |
| White *et al.* (1978) | Central GC tumor of jaw | 50/F | Mand. posterior | Radiolucency | ND | Curettage | No/84months |
| White *et al.* (1978) | Central GC tumor of jaw | 55/F | Mand. premolar | Radiolucency | ND | Excision | No/36months |
| White *et al.* (1978) | Central GC tumor of jaw | 65/F | Mand. molar/premolar | Radiolucency | ND | Excision | No/24months |
| 7. | Regezi *et al.* (1978) | GCAF | 16/M | Mandible | ND | ND | ND | ND |
| Regezi *et al.* (1978) | GCAF | 29/F | Maxilla | ND | ND | ND | ND |
| 8. | Vincent *et al.* (1987) | CGCOF | 27/M | Right mand PM-M | Unicystic Radiolucency with sclerotic border | keratin | Surgical excision | No/24months |
| Vincent *et al.* (1987) | CGCOF | 51/F | Left mand PM-M | Radiolucency with sclerotic border | Pre-keratin | Curettage | No/48months |
| 9. | Shiro *et al.* (1989) | CGCOF | 45/F | Left mand PM | Unicystic Radiolucency | ND | Surgical excision | No/48months |
| 10 | Mirchandani *et al.* (1989) | COGCT | 33/F | Mandible | Radiolucency | Vimentin  CD57, AAT | ND | ND |
| 11 | Ruhl and Akuamoa-  Boateng (1989) | GCAF | 22/M | Left maxilla molar | Displacement of tooth 26, 27 | Vimentin | En bloc resection | ND |
| 12. | Chen (1991) # | CGCT | 50/F | Right mand Canine | Radiolucency | ND | ND | ND |
| Chen (1991) | CGCT | 45/F | Left mand PM-M | Radiolucency | ND | ND | ND |
| Chen (1991) | CGCT | 64/F | Left mand C-PM | Radiolucency | ND | ND | ND |
| Chen (1991) | CGCT | 77/F | Left mand PM | Radiolucency | ND | ND | ND |
| 13. | Yih *et al.* (1995) | COGCT | 66/F | Mand PM | Unilocular radiolucency  Sclerotic border | Vimentin, AAT, AACT,  Lysozyme, HMW CK | Curettage | No/6months |
| 14. | Gesek *et al.* (1995) | CGCOT | 62/F | Left mand 2nd PM | Multilocular radiopacities well defined sclerotic  border | ND | Curettage | No/6months |
| 15. | Machado de Sousa *et al.* (1998) | CGCOT | 19/F | Right Max PM-M | Multilocular radiolucency | Vimentin, CD 68, CK13, CK14 | Surgical excision | No/120months |
| Machado de Sousa *et al.* (1998) | CGCOT | 25/M | Right Max PM-M | Radiopaque lesion | Vimentin, CD 68, CK13, CK14 | Surgical excision | No/48months |
| 16. | Ardekian *et al.* (1998) | CGCOT | 63/M | Right Mand PM-M | Radiolucency  Sclerotic border | ND | Curettage, involved tooth extraction | No/48months |
| 17. | Brannon *et al.* (2002) | CGCOT | 36/F | Mand C-M | ND | CD68, AACT, ACT,  Lysozyme,  Vimentin, Pan CK2 | ND | ND |
| Brannon *et al.* (2002) | CGCOT | 50/F | Jaw, NOS | ND | CD68, AACT, ACT,  Lysozyme,  Vimentin, Pan CK2 | ND | ND |
| Brannon *et al.* (2002) | CGCOT | 32/F | Mand C-PM | Multilocular Radiolucency  Sclerotic border | CD68, AACT, ACT,  Lysozyme,  Vimentin, Pan CK2 | Curettage, involved tooth extraction | ND |
| Brannon *et al.* (2002) | CGCOT | 19/F | Left Max PM-M | Unicystic radiolucency  Enveloping roots of tooth | CD68, AACT, ACT,  Lysozyme,  Vimentin, Pan CK2 | Curettage | R,156months |
| Brannon *et al.* (2002) | CGCOT | 48/M | Right maxilla | ND | CD68, AACT, ACT,  Lysozyme,  Vimentin, Pan CK2 | ND | ND |
| 18. | Calvo *et al.* (2002) | Central odontogenic  Fibroma GC variant | 61/M | Anterior maxilla | Radiolucency, resorption of anterior tooth | Vimentin, CD 68 | ND | ND |
| 19. | Meer *et al.* (2004) | CGCOT | 65/F | Left mand PM | Irregular radiolucency | Vimentin, CEA, CD68,  Lysozyme, BCL-2 | Surgical excision | No/12months |
| 20. | Reichert *et al.* (2006) | Central odontogenic  Fibroma GC variant | 46/F | Right Mand PM-M | Multilocular radiolucency | ND | Surgical excision  and reconstruction | No/24months |
| 21. | Mesquite *et al.* (2009) | CGCOT | 20/F | Left Man PM-M | Radiolucency with radiopaque areas | CD138, Vimentin, NSE, CD68  Lysozyme, Calponin, Ki67, AE1,  CK5, CK7, CK8, CK14,  CK19, E-Cadherin, B catenin, CD138 | Surgical excision | No/48months |
| 22. | Lotay *et al.* (2010) | Central odontogenic fibroma with features of CGCOT | 28/F | Right Max. post. | Well defined mixed lesion | ND | Enucleation & curettage | ND |
| 23. | Silva *et al.* (2012) | CGCOT | 41/F | Left Max. | Well defined mixed  Radiolucent lesion | Vimentin, CD68, CK14, AE1 | Surgical excision | No/24months |
| 24. | Sarode *et al.* (2013) | CGCOT | 25/F | Right mand AP  Midline | Multilocular radiolucency | ND | Enucleation &curettage | No/24months |
| 25. | Chiang et al (2013) | CGCOT | 69/F | Left mand post. | unilocular radiolucency | Vimentin, CEA, NSE, AACT, CD68, Ki67, Pan CK, BCL-2 | Surgical excision | No/2months |
| 26. | Madan et al (2016) | CGCOT | 73/M | Left mand post. Crossing midline | Multilocular radiolucency | ND | Surgical excision & segmental resection | No/9months |
| **27.** | **Present case** | **CGCOT** | **11/F** | **Right mand post crossing midline upto contralateral canine** | **Multilocular radiolucency** | **Vimentin, BCL-2, NSE, CD68** | **Curettage, chemical cauterization & peripheral osteotomy** | **No/12months** |

Notes: \*2 and 3-same case, #6 and 12-same case, ND-Not documented, NOS-Not specified, M-Male, F-Female, GCAF-Granular cell ameloblastic fibroma, AF- Ameloblastic fibroma, CGCOF- Central granular cell odontogenic fibroma, CGCT-Central granular cell tumor, COGCT-Central odontogenic granular cell tumor, CGCOT-Central granular cell odontogenic tumor, GC- Granular cells, OE- Odontogenic epithelium, Max-maxilla, Mand- Mandible, Post-Posterior, PM-Premolar, C- Canine, C-M: Caine to molar, PM-M: Premolar to mola, AP- Anterior posterior, CD- Cluster of differentiation, AAT-α1-antitrypsin, AACT- α1-antichymotrypsin, HMW-High molecular weight, CK-Cytokeratin, CEA-Carcinoembryonic antigen, NSE-Neuron specific enolase.