REFERENCES

- Jo S. Huge undifferentiated carcinoma of the pancreas with osteoclastlike giant cells. World J Gastroenterol 2014;20:2725-2730.
- Kobayashi S, Nakano H, Ooike N, Oohashi M, Koizumi S, Otsubo T. Long-term survivor of a resected undifferentiated pancreatic carcinoma with osteoclast-like giant cells who underwent a second curative resection: a case report and review of the literature. Oncol Lett 2014:8:1499-1504.
- Shah A, Khurana T, Freid L, Siddiqui AA. Undifferentiated carcinoma with osteoclast-like giant cells of the pancreas in a patient with new diagnosis of follicular non-hodgkin's lymphoma. ACG Case Rep J 2014:1:109-111.
- Gao HQ, Yang YM, Zhuang Y, Liu P. Locally advanced undifferentiated carcinoma with osteoclast-like giant cells of the pancreas. World J Gastroenterol 2015;21:694-698.
- Sah SK, Li Y, Li Y. Undifferentiated carcinoma of the pancreas with osteoclast-like giant cells: a rare case report and review of the literature. Int J Clin Exp Pathol 2015;8:11785-11791.
- Gulati A, Kaushal V, Gupta N. Undifferentiated carcinoma of pancreas with osteoclast-like giant cells mimicking a pseudopancreatic cyst. J Cancer Res Ther 2015:11:1046.
- Chiarelli M, Guttadauro A, Gerosa M, et al. An indeterminate mucinproducing cystic neoplasm containing an undifferentiated carcinoma with osteoclast-like giant cells: a case report of a rare association of pancreatic tumors. BMC Gastroenterol 2015;15:161.
- Georgiou GK, Balasi E, Siozopoulou V, Tsili A, Fatouros M, Glantzounis G. Undifferentiated carcinoma of the head of pancreas with osteoclast-like giant cells presenting as a symptomatic cystic mass, following acute pancreatitis: case report and review of the literature. Int J Surg Case Rep 2016;19:106-108.
- Chen YC, Chen LA, Lin CH, Wang SN. Undifferentiated pancreatic carcinoma with osteoclast-like giant cells: a rare entity with potential misdiagnosis of a gastrointestinal stromal tumor on preoperative evaluation. Kaohsiung J Med Sci 2016;32:593-594.
- Saito H, Kashiyama H, Murohashi T, Sasaki K, Misawa R, Ohwada S. Case of six-year disease-free survival with undifferentiated carcinoma of the pancreas. Case Rep Gastroenterol 2016;10:472-478.
- Sakhi R, Hamza A, Khurram MS, Ibrar W, Mazzara P. Undifferentiated carcinoma of the pancreas with osteoclast-like giant cells reported in an asymptomatic patient: a rare case and literature review. Autops Case Rep 2017;7:51-57.
- 12. Fu LP, Cheng AP, Wang XG, Fu JL, Jin L. 18F-FDG PET/CT in the detection of undifferentiated carcinoma with osteoclast-like giant cells of the pancreas. Clin Nucl Med 2017;42:615-616.
- 13. Yazawa T, Watanabe A, Araki K, et al. Complete resection of a huge pancreatic undifferentiated carcinoma with osteoclast-like giant cells. Int Cancer Conf J 2017;6:193-196.

- 14. Paniccia A, Torphy R, Devaraj K, Schulick RD. Anaplastic pancreatic carcinoma arising within a mucinous cystic neoplasm of the pancreas: a case report and a brief review of the literature. J Pancreat Cancer 2017;3:40-45.
- Yepuri N, Pruekprasert N, Ramani N, et al. Osteoclast-like giant cell tumor of the pancreas-an unusual presentation in a patient with large mantle cell lymphoma. J Surg Case Rep 2018;2018:rjy341.
- Guo YL, Ruan LT, Wang QP, Lian J. Undifferentiated carcinoma with osteoclast-like giant cells of pancreas: a case report with review of the computed tomography findings. Medicine (Baltimore) 2018;97:e13516.
- Fujimoto T, Inatomi O, Mizuno R, et al. Anaplastic pancreatic cancer diagnosed with endoscopic ultrasound guided fine needle aspiration showing hypervascular tumor: a case report. Medicine (Baltimore) 2018;97:e13473.
- Abid H, Gnanajothy R. Osteoclast giant cell tumor of pancreas: a case report and literature review. Cureus 2019;11:e4710.
- 19. Charifa A, Walther Z, Salem RR, Jain D. Undifferentiated carcinoma with osteoclast-like giant cells of the pancreas arising from an intraductal papillary mucinous neoplasm. Hum Pathol (N Y) 2019;15:95-98.
- Matsubayashi H, Kaneko J, Sato J, et al. Osteoclast-like giant cell-type pancreatic anaplastic carcinoma presenting with a duodenal polypoid lesion. Intern Med 2019;58:3545-3550.
- 21. Sato K, Urakawa H, Sakamoto K, Ito E, Hamada Y, Yoshimitsu K. Undifferentiated carcinoma of the pancreas with osteoclast-like giant cells showing intraductal growth and intratumoral hemorrhage: MRI features. Radiol Case Rep 2019;14:1283-1287.
- 22. Fan X, Wang W, Li C, Tang T, Han Y, An K. An osteoclast-like giant cell tumor embedded in the mural nodule of a pancreatic mucinous cystic neoplasm: a case report and literature review. Medicine (Baltimore) 2019;98:e15246.
- 23. Hanayneh W, Parekh H, Fitzpatrick G, Feely M, George TJ, Starr JS. Two cases of rare pancreatic malignancies. J Pancreat Cancer 2019;5:26-33.
- 24. Yang G, Yin J, Ou K, et al. Undifferentiated carcinoma with osteoclast-like giant cells of the pancreas harboring KRAS and BRCA mutations: case report and whole exome sequencing analysis. BMC Gastroenterol 2020;20:202.
- Speisky D, Villarroel M, Vigovich F, et al. Undifferentiated carcinoma with osteoclast-like giant cells of the pancreas diagnosed by endoscopic ultrasound guided biopsy. Ecancermedicalscience 2020;14:1072.
- 26. Cai Y, Chen Y, Wu X, Yin Y, Cao L, Liu X. Seven-year disease-free survival in a patient with osteoclast-like giant cell-containing pancreatic undifferentiated carcinoma: a case report and literature review. Int J Clin Exp Pathol 2020;13:3200-3205.
- Obayashi M, Shibasaki Y, Koakutsu T, et al. Pancreatic undifferentiated carcinoma with osteoclast-like giant cells curatively resected after pembrolizumab therapy for lung metastases: a case report. BMC Gastroenterol 2020;20:220.
- 28. Besaw RJ, Terra AR, Malvar GL, Chapman TR, Hertan LM, Schlechter BL. Durable response to PD-1 blockade in a patient with metastatic

- pancreatic undifferentiated carcinoma with osteoclast-like giant cells. J Natl Compr Canc Netw 2021;19:247-252.
- 29. Jiang J, Luo J. Osteoclast-like giant cell undifferentiated carcinoma of the pancreas: a case report. Int J Clin Exp Pathol 2021;14:179-185.
- 30. Yamamoto S, Sakai Y. A case of undifferentiated carcinoma with osteoclast-like giant cells of the pancreas derived from an intraductal papillary mucinous neoplasm. Clin J Gastroenterol 2021;14:1263-1268.
- 31. Smith JL, Jacovides CL, Tucker CM, Jiang W, Prestipino AJ, Yeo CJ. Sequencing of an undifferentiated carcinoma with osteoclast-like giant cells of the pancreas: a case report. J Pancreat Cancer 2021;7:71-73.
- Gao G, Qorbani A, Zhou CH. A pancreatic mixed neuroendocrinenon-neuroendocrine neoplasms (MiNEN) (NET and undifferentiated carcinoma of the pancreas with osteoclast-like giant cells) with metastatic neuroendocrine component to the liver. Autops Case Rep 2021;11:e2020201.
- Cavalcanti E, Schena N, Serino G, Lantone G, Armentano R. Assessment and management of undifferentiated carcinoma with osteoclastic like giant cells of the pancreas: a case report and revision of literature. BMC Gastroenterol 2021:21:247.
- 34. Olayinka O, Kaur G, Gupta G. Undifferentiated pancreatic carcinoma with osteoclast-like giant cells and associated ductal adenocarcinoma with focal signet-ring features. Cureus 2021;13:e14988.
- Ashfaq A, Thalambedu N, Atiq MU. A rare case of pancreatic cancer: undifferentiated carcinoma of the pancreas with osteoclast-like giant cells. Cureus 2022;14:e25118.
- Swaid MB, Vitale E, Alatassi N, Siddiqui H, Yazdani H. Metastatic undifferentiated osteoclast-like giant cell pancreatic carcinoma. Cureus 2022;14:e27586.
- Gupta K, Goyal S, Chaudhary D, Sakhuja P, Narang P, Nag HH. Undifferentiated carcinoma with osteoclast-like giant cells of pancreas on cytology: a case report with review of literature. Diagn Cytopathol 2022:50:E289-E294.
- 38. Tomihara H, Hashimoto K, Ishikawa H, et al. Spontaneous rupture of an undifferentiated carcinoma with osteoclast-like giant cells of the pancreas presenting as intra-abdominal bleeding: a case report. Surg Case Rep 2022;8:79.
- Zhan K, Zhang S, Hu P, Chen J, Liu W, Niu Z. Undifferentiated carcinoma of the pancreas with osteoclast like giant cells: Literature review with CT/MR imaging findings in 3 cases. Radiol Case Rep 2022;17:2529-2533.
- 40. Sozutek A, Aktas E. Borderline-resectable undifferentiated carcinoma with osteoclast-like giant cells of the pancreas: upfront surgery or neo-

- adjuvant chemotherapy? J Coll Physicians Surg Pak 2022;32:934-937.
- 41. Jain PV, Griffin M, Hunt B, Ward E, Tsai S, Doucette S. Undifferentiated carcinoma with osteoclast-like giant cells: a pathologic-radiologic correlation of a rare histologic subtype of pancreatic ductal adenocarcinoma. Ann Diagn Pathol 2022;57:151884.
- 42. Kitazono M, Fujita M, Ito A, et al. A case report of anaplastic carcinoma with osteoclast-like giant cells arising in the pancreatic body. J Surg Case Rep 2022;2022:rjac288.
- 43. Song HG, Kim YI, Yu ES, Lee HS. Two histologic variants of giant cell carcinoma of the pancreas. Korean J Pathol 1987;21:192-198.
- 44. Sung HS, Han WS. Fine needle aspiration cytology of osteoclastic giant cell tumor of the pancreas. Korean J Cytopathol 1998;9:89-94.
- Joo YE, Heo T, Park CH, et al. A case of osteoclast-like giant cell tumor of the pancreas with ductal adenocarcinoma: histopathological, immunohistochemical, ultrastructural and molecular biological studies. J Korean Med Sci 2005;20:516-520.
- Cho SH, Cheon JH, Lee SW, et al. [A case of osteoclast-like giant cell tumor of the pancreas]. Korean J Gastroenterol 2005;45:441-445. Korean.
- 47. Jang HW, Park WK, Chang JC, et al. [Undifferentiated carcinoma with osteoclast-like giant cells of the pancreas]. Korean J Gastroenterol 2006;48:355-359. Korean.
- 48 Kim GH, Ku YS, Kim HO, et al. A case of undifferentiated carcinoma with osteoclast-like giant cells of the pancreas. Korean J Med 2009;77:610-615.
- 49. Yang SY, Do JH, Oh IS, et al. A case of undifferentiated carcinoma with osteoclast-like giant cells in the pancreas. Korean J Med 2010;80:82-
- 50. Hur YH, Kim HH, Seoung JS, et al. Undifferentiated carcinoma of the pancreas with osteoclast-like giant cells. J Korean Surg Soc 2011;81:146-150.
- 51. Kim W, Lee IS, Kim E, et al. Undifferentiated carcinoma of the pancreas with osteoclast-like giant cells: initially diagnosed as solid pseudopapillary tumor. Korean J Pancreas Biliary Tract 2016;21:144-149.
- 52. Yang KY, Choi JI, Choi MH, et al. Magnetic resonance imaging findings of undifferentiated carcinoma with osteoclast-like giant cells of pancreas. Clin Imaging 2016;40:148-151.
- 53. Choi TS, Lee J, Kim BH, Choi JW, Kim KA, Park CM. Undifferentiated carcinoma with osteoclast-like giant cells of the pancreas mimicking a predominantly calcified mass: case report and literature review. J Korean Soc Radiol 2019;80:585-590.