

Publications

Pulkkinen Jaakko O.

1. International pre-reviewed publications

- 1.1. Vuorio E, Elima K, Pulkkinen J, Viitanen A-M. Identification of messenger RNA for human type II collagen. *FEBS Lett*, 1984; 174:238-42.
- 1.2. Pulkkinen MO, Momma K, Pulkkinen J. Constriction of the fetal ductus arteriosus by progesterone. *Biol Neonate* 1986; 50:270-3.
- 1.3. Servomaa K, Kiuru A, Grénman R, Pekkola-Heino K, Pulkkinen JO, Rytömaa T. p53 mutations associated with increased sensitivity to ionizing radiation in human head and neck cancer cell lines. *Cell Prolif* 1996; 29:219-30.
- 1.4. Pulkkinen JO, Elomaa L, Joensuu H, Martikainen P, Servomaa K, Grénman R. Paclitaxel-induced apoptotic changes followed by time-lapse video microscopy in cell lines established from head and neck cancer. *J Cancer Res Clin Oncol* 1996; 122:214-8.
- 1.5. Pulkkinen JO, Pekkola-Heino K, Grénman R. Paclitaxel and irradiation induce apoptosis in squamous cell carcinoma cell lines in an additive way. *Anticancer Res* 1996; 16: 2923-30.
- 1.6. Pulkkinen JO, Penttinen M, Jalkanen M, Klemi P, Grénman R. Syndecan-1: a new prognostic marker in laryngeal cancer. *Acta Otolaryngol (Stockh)* 1997; 117:312-5.
- 1.7. Salo A., Servomaa K, Kiuru A, Pulkkinen J, Grénman R, Pekkola-Heino K, Rytömaa T. The bcl-2 gene status of human head and neck cancer cell lines. *Acta Otolaryngol (Stockh) Suppl* 1997; 529:233-6.
- 1.8. Kiuru A, Servomaa K, Grénman R, Pulkkinen J, Rytömaa T. p53 Mutations in human head and neck cancer cell lines. *Acta Otolaryngol (Stockh) Suppl* 1997; 529:237-40.
- 1.9. Pulkkinen J, Klemi P, Martikainen P, Grénman R. Apoptosis in situ, bcl-2 and AgNOR counts as prognostic factors in laryngeal carcinoma. *Anticancer Res* 1999; 19:703-8.
- 1.10. Engblom P, Pulkkinen J, Rantanen V, Hirvonen H, Kulmala J, Grénman R, Grénman S. Effects of paclitaxel with or without cremophor EL on cellular clonogenic survival and apoptosis. *Eur J Cancer* 1999; 35:284-8.
- 1.11. Pulkkinen J, Servomaa K, Pekkola K, Kulmala J, Grénman R. The effect of irradiation on mitotic and apoptotic frequency in head and neck cancer cell lines, the correlation to p53 mutations and clonogenic survival. *Anticancer Res* 2000; 20:1503-12.
- 1.12. Leimola-Virtanen R, Salo T, Toikkanen S, Pulkkinen J., Syrjänen S. Expression of estrogen receptor (ER) in oral mucosa and salivary glands. *Maturitas* 2000; 36:131-7.
- 1.13. Haapaniemi J, Laurikainen E, Pulkkinen J, Marttila R. Botulinum toxin in the treatment of cricopharyngeal dysphagia. *Dysphagia* 2001; 16:171-5.
- 1.14. Raitanen M, Rantanen V, Kulmala J, Pulkkinen J, Klemi P, Grénman S, Grénman R. Paclitaxel combined with fractionated radiation in vitro; a study with vulvar squamous cell carcinoma cell lines. *Int J*

Cancer 2002; 97:853-7.

1.15. Koivunen P, Laranne J, Virtaniemi J, Bäck L, Mäkitie A, Pulkkinen J, Grénman R. Cervical metastasis of unknown origin: a series of 72 patients. *Acta Otolaryngol* 2002; 122:569-74.

1.16. Luukka M, Aitasalo K, Pulkkinen J, Lindholm P, Valavaara R, Grénman R. Neodymium YAG contact laser in the treatment of cancer of the mobile tongue. *Acta Otolaryngol* 2002; 122:318-22.

1.17. Erjala K, Pulkkinen J, Kulmala J, Alanen K, Grénman R. Head and neck squamous cell carcinoma is highly sensitive to vinorelbine *in vitro*. *Anticancer Res* 2002; 22:3135-42.

1.18. Heikkinen T, Ziegler T, Peltola V, Lehtinen P, Toikka P, Lintu M, Jartti T, Juvén T, Kataja J, Pulkkinen J, Kainulainen L, Puhakka T, Routi T. Incidence of influenza in Finnish children. *Pediatr Infect Dis J* 2003; 22:S204-6.

1.19. Erjala K, Pulkkinen J, Kulmala J, Grénman R. Concomitant vinorelbine and radiation in head and neck squamous cell carcinoma *in vitro*. *Acta Oncologica* 2004; 43:169-74.

1.20. Pulkkinen J, Sipilä J, Grénman R. Intraluminal radiotherapy in esophageal cancer. An update. *Otolaryngologia Polska* 2004; 58:191-5.

1.21. Sipilä J, Pulkkinen J, Hujala K, Grénman R. Endoscopic lasersurgery in obstructive tracheal and bronchial tumors. An update. *Otolaryngologia Polska* 2004; 58:187-90.

1.22. Schrey A, Pulkkinen J, Fremling C, Kinnunen I. Ultrasonically activated scalpel compared with electrocautery in tonsillectomy. *ORL* 2004; 66:136-40.

1.23. Hujala K, Sipilä J, Pulkkinen J, Grénman R. Early percutaneous endoscopic gastrostomy nutrition in head and neck cancer patients. *Acta Otolaryngol* 2004; 124:847-50.

1.24. Raitanen M, Pulkkinen J, Kulmala J, Grénman R. Head and neck squamous cell carcinoma cell lines are highly sensitive to the new taxanes, BMS-184476, BMS-188797, *in vitro*. *Anticancer Res* 2004; 24:3769-74.

1.25. Laranne J, Bäck L, Koivunen P, Pukkila M, Pulkkinen J, Grénman R. Hypopharyngeal carcinoma in Finland from 1990-1999. *Eur Arch Otorhinolaryngol*. 2005; 262:374-378.

1.26. Mäkitie A, Pukkila M, Laranne J, Pulkkinen J, Vuola J, Bäck L, Koivunen P, Grénman R. Oropharyngeal cancer and its treatment in Finland between 1995-1999: a nationwide study. *Eur Arch Otorhinolaryngol*. 2006; 263:139-143.

1.27. Erjala K, Sundvall M, Junttila TT, Zhang N, Savisalo M, Mali P, Kulmala J, Pulkkinen J, Grénman R, Elenius K. Signaling via ErbB2 and ErbB3 associates with resistance and *epidermal growth factor receptor* (EGFR) amplification with sensitivity to EGFR inhibitor gefitinib in head and neck squamous cell carcinoma cells. *Clin Cancer Res* 2006; 12:4103-11.

1.28. Stoor P, Pulkkinen J, Grénman R. Bioactive glass S53P4 in the filling of cavities in the mastoid cell area in surgery for chronic otitis media. *Ann Otol Rhinol Laryngol* 2010; 119(6):377-82.

1.29. Silvoniemi A, Pulkkinen J, Grénman R. Parotidectomy in the treatment of pleomorphic adenoma – analysis of long-term results. *Acta Otolaryngol* 2010;130(11):1300-5.

1.30 Sarin J, Grénman R, Aitasalo K, Pulkkinen J. Bioactive glass S53P4 in mastoid obliteration surgery for chronic otitis media and cerebrospinal fluid leakage. *Ann Otol Rhinol Laryngol* 2012; 121(9):563-9.

- 1.31 Pulkkinen J, Rekola J, Asanti M, Grénman R. Prophylactic percutaneous endoscopic gastrostomy in head and neck cancer patients: Results of tertiary institute. *Eur Arch Otorhinolaryngol* 2014; 271(6):1775-8.
- 1.32 Puhakka T, Pulkkinen J, Silvennoinen H, Heikkinen T. Comparison of spectral gradient acoustic reflectometry and tympanometry for detection of middle ear effusion in children. *Pediatr Infect Dis J* 2014;33:e183-6.
- 1.33. Sarin J, Hiltunen M, Hupa L, Pulkkinen J, Vallittu P. Compression properties and dissolution of bioactive glass S53P4 and n-butyl-2 cyanoacrylate tissue adhesive-composite. *Bio-Medical Materials and Engineering* 2016;27:425-436.
- 1.34. Sarin J, Björkvist L, Hiltunen M, Hupa L, Pulkkinen J, Vallittu P. The effect of fibrin sealant on bioactive glass S53P4 particles – pH impact and dissolution characteristics *in vitro*. *J Sci: Adv Mat Dev* 1 2016 482-487
- 1.35 Schrey A, Airas L, Jokela M, Pulkkinen J. Botulinum toxin alleviates dysphagia of patients with inclusion body myositis. *J Neurol Sci* 2017;380:142-7.

Domestic publications

- Peltonen E, Pulkkinen J, Yrjänä J, Svedström E. Nielemisfunktio tutkimus. *SLL* 2006; 26:2859-2864.
- Rekola J, Kinnunen I, Pulkkinen J. Nuoren naisen akuutti nieluturvotus. *Duodecim* 2009;125:2755, 2757.
- Rekola J, Anttila H, Irjala H, Pulkkinen J. Äkillinen hengitystieongelma. *Suomen Lääkäril* 2015;70(9):557-561.

Domestic teaching materials

- Pulkkinen J. Ruokatorvi. Kirjassa: Nuutinen J. (toim.) Korva-, nenä- ja kurkkutaudit ja foniatrian perusteet, s. 185-186. Unigrafia Oy: Korvatieto Oy 2011.
- Pulkkinen J. Ruokatorven sairaudet. Kirjassa: Nuutinen J. (toim.) Korva-, nenä- ja kurkkutaudit ja foniatrian perusteet, s. 219-224. Unigrafia Oy: Korvatieto Oy 2011.
- Pulkkinen J. Henkitorvi, keuhkoputket ja välikarsina. Kirjassa: Nuutinen J. (toim.) Korva-, nenä- ja kurkkutaudit ja foniatrian perusteet, s. 255-259. Unigrafia Oy: Korvatieto Oy 2011.

Other publications

- Pulkkinen J. Apoptotic cell death and prognostic factors in laryngeal cancer. **Doctoral dissertation.** Painosalama Oy. Annales Universitatis Turkuensis Ser Medica-Odontologica D No 332. 109 p. 1999.
- Servomaa K, Kiuru A, Grénman R, Pekkola-Heino K, Salo A, Pulkkinen JO, Rytömaa T. Correlation of radiosensitivity of human head and neck cancer cell lines with p53 mutations and bcl-2 gene expression. **Proceedings** in the 27th Annual Meeting of the European Society for Radiation Biology, Montpellier, France 1.-4.9.1996. *Radioprotection* 1997; 32: C1:165-6.
- Pulkkinen J, Grénman R. Concomitant chemoradiation – paclitaxel as radiation modifier. In: Lippert MB, Werner JA (eds.). *Metastases in head and neck cancer. Proceedings of the 2nd international symposium*, January 25-27, 2001 Marburg, Germany. Tectum Verlag, Marburg 2001; 351-8.

