Bibliografia

Abrantes, A. M. (2007). Avaliação da hipóxia tumoral em adenocarcinoma colo-rectal. Tese de Mestrado. Universidade de Coimbra.

Ackroyd, R.; Kelty, C.; Brown, N.; Reed, M. (2001). The history of photodetection and photodynamic therapy. Photochemistry and photobiology 74: 656-69.

Agostinis, P.; Buytaret, E.; Breyssens, H.; Hendrickx, N. (2004). Regulatory pathways in photodynamic therapy induced apoptosis. Photochemical and Photobiological Sciences 3: 721-729.

Allison, B. A.; Pritchard, P. H.; Levy, J. G. (1994). Evidence for low-density lipoprotein receptor-mediated uptake of benzoporphyrin derivative. British journal of cancer 69: 833-9.

Allison, R.; Sibata, C.; Downie, G.; Cuenca, R. (2006). A clinical review of PDT for cutaneous malignancies. Photodiagnosis and Photodynamic Therapy 3: 214-226.

Arnold, C. N.; Goel, A.; Blum, H. E.; Boland, C. R. (2005). Molecular pathogenesis of colorectal cancer: implications for molecular diagnosis. Cancer 104: 2035-47.

Axelson, H.; Fredlund, E.; Ovenberger, M.; Landberg, G.; Paahlman, S. (2005). Hypoxia-induced dedifferentiation of tumor cells - A mechanism behind heterogeneity and aggressivness of solid tumours. Cell Developmental Biology 16: 554-563.

Azenha, E. G.; Serra, A. C.; Pineiro, M.; Pereira, M. M.; Melo, J. S.; Arnaut, L. G.; Formosinho, S. J.; Rocha Gonsalves A. M. (2002). Heavy-atom effects on metalloporphyrins and polyhalogenated porphyrins. Chemical Physics 280: 177-190.

Banfi, S.; Caruso, E.; Caprioli, S.; Mazzagatti, L.; Canti, G.; Ravizza, R.; Gariboldi, M.; Monti, E. (2004). Photodynamic effects of porphyrin and chlorin photosensitizers in human colon adenocarcinoma cells. Bioorganic & medicinal chemistry 12: 4853-60.

Banfi, S.; Caruso, E.; Buccafurni, L.; Murano, R.; Monti, E.; Gariboldi, M.; Papa, E.; Gramatica, P. (2006). 5, 10, 15, 20-Tetraaryl-and 5, 15-Diarylporphyrins as Photosensitizers: Synthesis, Photodynamic Activity, and Quantitative Structure− Activity Relationship Modeling. Journal of Medicinal Chemistry 49: 3293-3304.

Beja, A.; Paixão, J.; Silva, M.; de Veiga, L.; Rocha Gonsalves, A. M.; Serra, A. (2000). 3-Hydroxybenzaldehyde. Acta Crystallographica, C 56: 354-355.

Berenbaum, M. C.; Akande, S. L.; Bonnett, R.; Kaur, H.; Ioannou, S.; White, R. D.; Winfield, U. J. (1986). meso-Tetra(hydroxyphenyl)porphyrins, a new class of potent tumour photosensitisers with favourable selectivity. British journal of cancer 54: 717-25.

Berger, A. (2003). Photodynamic therapy with intravesical instillation of 5-aminolevulinic acid for patients with recurrent superficial bladder cancer: a single-center study. Urology 61: 338-341.

Bergmann, F.; Stepp, H.; Metzger, R.; Rolle, U.; Johansson, A.; Till, H. (2008). In vitro and in vivo evaluation of photodynamic techniques for the experimental treatment of human hepatoblastoma and neuroblastoma: preliminary results. Pediatric surgery international 24: 1331-3.

Bhuvaneswari, R.; Gan, Y. Y.; Soo, K. C.; Olivo, M. (2009). The effect of photodynamic therapy on tumor angiogenesis. Cellular and molecular life sciences 66: 2275-83.

Bourre, L.; Thibaut, S.; Briffaud, A.; Lajat, Y.; Patrice, T. (2002). Potential efficacy of a delta 5-aminolevulinic acid thermosetting gel formulation for use in photodynamic therapy of lesions of the gastrointestinal tract. Pharmacological research 45: 159-65.

Bourre, L.; Thibaut, S.; Fimiani, M.; Ferrand, Y.; Simonneaux, G.; Patrice, T. (2003). In vivo photosensitizing efficiency of a diphenylchlorin sensitizer: interest of a DMPC liposome formulation. Pharmacological research 47: 253-61.

Boyle, R. W.; Dolphin, D. (1996). Structure and biodistribution relationships of photodynamic sensitizers. Photochemistry and photobiology 64: 469-85.

Brandis, A.; Mazor, O.; Neumark, E.; Rosenbach-Belkin, V.; Salomon, Y.; Scherz, A. (2005). Novel water-soluble bacteriochlorophyll derivatives for vascular-targeted photodynamic therapy: synthesis, solubility, phototoxicity and the effect of serum proteins. Photochemistry and photobiology 81: 983-93.

Brown, S. B.; Brown, E. A.; Walker, I. (2004). The present and future role of photodynamic therapy in cancer treatment. Lancet Oncology 5: 554-563.

Buytaert, E.; Dewaele, M.; Agostinis, P. (2007). Molecular effectors of multiple cell death pathways initiated by photodynamic therapy. Biochimica et biophysica acta 1776: 86-107.

Calvert, P.; Frutch, H. (2002). The genetics of colorectal cancer. Annals of Internal Medicine 137: 603-612.

Castano, A. P.; Mroz, P.; Hamblin, M. R. (2006). Photodynamic therapy and anti-tumour immunity. Nature reviews. Cancer 6: 535-45.

Chauffert, B.; Martin, M.; Hammann, A.; Michel, M. F.; Martin, F. (1986). Amiodarone-induced Enhancement of Doxorubicin and 4'-Deoxydoxorubicin Cytotoxicity to Rat Colon Cancer Cells in Vitro and in Vivo. Cancer Research 46: 825-830.

Chen, M.; Pennathur, A.; Luketich, J. (2006). Role of photodynamic therapy in unresectable esophageal and lung cancer. Laser Medicine and Surgery 38: 396-402.

Connor, A. E.; Gallagher, W. M.; Byrne, A. T. (2009). Porphyrin and Nonporphyrin Photosensitizers in Oncology: Preclinical and Clinical Advances in Photodynamic Therapy. Physiology 85: 1053-1074.

Copper, M.; Tan, I.; Oppelaar, H.; Ruevekamp, M.; Stewart, F. (2003). Meta-tetra(hydroxyphenyl)chlorin photodynamic therapy in early-stage squamous cell carcinoma of the head and neck. Archive of Otolaryngology Head Neck Surgery 129: 709-711.

Curry, P. M.; Levy, J. G. (1993). Stress protein expression in murine tumor cells following photodynamic therapy with benzoporphyrin derivative. Photochemistry and photobiology 58: 374-9.

Das, U.; Molnár, J.; Baráth, Z.; Bata, Z.; Dimmock, J. R. (2008). 1-[4-(2-Aminoethoxy)phenylcarbonyl]-3,5-bis-(benzylidene)-4-oxopiperidines: a novel series

of highly potent revertants of P-glycoprotein associated multidrug resistance. Bioorganic & medicinal chemistry letters 18: 3484-7.

De Gregorio, M. W.; Ford, J. M.; Benz, C. C.; Wiebe, V. J. (1989). Toremifene: pharmacologic and pharmacokinetic basis of reversing multidrug resistance. Journal of clinical oncology 7: 1359-64.

De la Chapelle, A. (2004). Genetic predisposition to colorectal cancer. Nature reviews. Cancer 4: 769-80.

Dikalov, S.; Griendling, K. K.; Harrison, D. G. (2007). Measurement of reactive oxygen species in cardiovascular studies. Hypertension 49: 717-27.

Dougherty, T.; Gomer, C.; Henderson, B.; Jori, G.; Kessel, D.; Korbelik, M.; Moan, J.; Peng, Q. (1998). Photodynamic therapy. Journal of the National Cancer Institute 90: 889-905.

Douillard, S.; Olivier, D.; Patrice, T. (2009). In vitro and in vivo evaluation of Radachlorin(R) sensitizer for photodynamic therapy. Photochemical & photobiological sciences : Official journal of the European Photochemistry Association and the European Society for Photobiology 8: 405-13.

Edwards, B. K.; Ward, E.; Kohler, B. A.; Eheman, C.; Zauber, A. G.; Anderson, R. N.; Jemal, A.; Schymura, M. J.; Lansdorp-Vogelaar, I.; Seeff, L. C.; van Ballegooijen, M.; Goede, S. L.; Ries, L. A. (2010). Annual report to the nation on the status of cancer, 1975-2006, featuring colorectal cancer trends and impact of interventions (risk factors, screening, and treatment) to reduce future rates. Cancer 116: 544-73.

Fan, B.; Andren-Sandberg, A. (2007). Photodynamic Therapy for Pancreatic Cancer. Pancreas 34: 385-389.

Ferrand, Y. (2003). Hydroporphyrins as tumour photosensitizers: synthesis and photophysical studies of 2,3-Dihydro-5,15-di(3,5-dihydroxyphenyl) porphyrin. Bioorganic & Medicinal Chemistry Letters 13: 833-835.

Ferrario, A.; von Tiehl, K.; Rucker, N.; Schwarz, M.; Gill, P.; Gomer, C. (2000). Antiangiogenic treatment enhances photodynamic therapy responsiveness in a mouse mammary carcinoma. Cancer Research 60: 4066-4069.

Ferrario, A.; Von Tiehl, K.; Wong, S.; Luna, M.; Gomer, C. (2002). Cyclooxygenase-2 inhibitor treatment enhances photodynamic therapy-mediated tumor response. Cancer Research 62: 3956-3961.

Fontelonga, A.; & Davide, J. (2009). Estatísticas do cancro. http://www.alert.pt/pt/medical-guide/estatisticas-do-cancro.

Gallagher, W. M.; Allen, L. T.; O'Shea, C.; Kenna, T.; Hall, M.; Gorman, A.; Killoran, J.; O'Shea, D. F. (2005). A potent nonporphyrin class of photodynamic therapeutic agent: cellular localisation, cytotoxic potential and influence of hypoxia. British journal of cancer 92: 1702-10.

Gariboldi, M. B.; Ravizza, R.; Baranyai, P.; Caruso, E.; Banfi, S.; Meschini, S.; Monti, E. (2009). Photodynamic effects of novel 5,15-diaryl-tetrapyrrole derivatives on human colon carcinoma cells. Bioorganic & medicinal chemistry 17: 2009-16.

Gollnick, S. O.; Brackett, C. M. (2010). Enhancement of anti-tumor immunity by photodynamic therapy. Immunology Research 46: 216-226.

Golstein, P.; Kroemer, G. (2007). Cell death by necrosis: towards a molecular definition. Trends in biochemical sciences 32: 37-43.

Gorman, A.; Killoran, J.; O'Shea, C.; Kenna, T.; Gallagher, W. M.; O'Shea, D. F. (2004). In vitro demonstration of the heavy-atom effect for photodynamic therapy. Journal of the American Chemical Society 126: 10619-31.

Gomer, C. J.; Ryter, S. W.; Ferrario, A.; Rucker, N.; Wong, S.; Fisher, A. M. (1996). Photodynamic therapy-mediated oxidative stress can induce expression of heat shock proteins. Cancer research 56: 2355-60.

Gomer, C. J.; Ferrario, A.; Luna, M.; Rucker, N.; Wong, S. (2006). Photodynamic therapy: combined modality approaches targeting the tumor microenvironment. Lasers in surgery and medicine 38: 516-21.

Grant, W. E.; Speight, P. M.; Hopper, C.; Bown, S. G. (1997). Photodynamic therapy: an effective, but non-selective treatment for superficial cancers of the oral cavity. International journal of cancer. Journal international du cancer 71: 937-42.

Greer, A. (2006). Christopher Foote's discovery of the role of singlet oxygen [1O2 (1Delta g)] in photosensitized oxidation reactions. Accounts of chemical research 39: 797-804.

Gryshuk, A. L.; Chen, Y.; Potter, W.; Ohulchansky, T.; Oseroff, A.; Pandey, R. K. (2006). In vivo stability and photodynamic efficacy of fluorinated bacteriopurpurinimides derived from bacteriochlorophyll-a. Journal of medicinal chemistry 49: 1874-81.

Hajri, A.; Wack, S.; Meyer, C.; Smith, M. K.; Leberquier, C.; Kedinger, M.; Aprahamian, M. (2002). In vitro and in vivo efficacy of photofrin and pheophorbide a, a bacteriochlorin, in photodynamic therapy of colonic cancer cells. Photochemistry and photobiology 75: 140-8.

Hamblin, M. R.; Newman, E. L. (1994). On the mechanism of the tumour-localising effect in photodynamic therapy. Journal of photochemistry and photobiology. B, Biology 23: 3-8.

Hanahan, D.; Weinberg, R. A. (2000). The hallmarks of cancer. Cell 100: 57-70.

Hatz, S.; Poulsen, L.; Ogilby, P. R. (2008). Time-resolved singlet oxygen phosphorescence measurements from photosensitized experiments in single cells: effects of oxygen diffusion and oxygen concentration. Photochemistry and photobiology 84: 1284-90.

He, J.; Agarwal, M.; Larkin, H.; Friedman, L.; Xue, L.; Oleinick, N. (1996). The induction of partial resistance to photodynamic therapy by the protooncogene BCL-2. Photochemistry and Photobiology 64: 845-852.

Hopper, C. (2000). Photodynamic therapy: a clinical reality in the treatment of cancer. The Lancet Oncology 1: 212-219.

Hopper, C.; Kübler, A.; Lewis, H.; Tan, I.; Putnam, G. (2004). mTHPC-mediated photodynamic therapy for early oral squamous cell carcinoma. International Journal of Cancer 111: 138-146.

Huang, Z.; Chen, Q.; Shakil, A.; Chen, H.; Beckers, J.; Shapiro, H.; Hetzel, F. W. (2003). Hyperoxygenation enhances the tumor cell killing of photofrin-mediated photodynamic therapy. Photochemistry and photobiology 78: 496-502.

Huang, Z.; Xu, H.; Meyers, A. D.; Musani, A. I.; Wang, L.; Tagg, R.; Barqawi, A. B.; Chen, Y. K. (2008). Photodynamic therapy for treatment of solid tumors--potential and technical challenges. Technology in cancer research & treatment 7: 309-20.

Jiménez-Banzo, A.; Sagristà, M. L.; Mora, M.; Nonell, S. (2008). Kinetics of singlet oxygen photosensitization in human skin fibroblasts. Free radical biology & medicine 44: 1926-34.

Jori, G. (1989). In vivo transport and pharmacokinetic behavior of tumour photosensitizers. Ciba Foundation symposium 146: 78-86; discussion 86-94.

Jori, G.; Reddi, E. (1993). The role of lipoproteins in the delivery of tumour-targeting photosensitizers. The International journal of biochemistry 25: 1369-75.

Juzeniene, A.; Juzenas, P.; Ma, L.; Iani, V.; Moan, J. (2004). Effectiveness of different light sources for 5-aminolevulinic acid photodynamic therapy. Lasers in medical science 19: 139-49.

Kabingu, E.; Vaughan, L.; Owczarczak, B.; Ramsey, K.; Gollnick, S. (2007). CD8+ T cell-mediated control of distant tumours following local photodynamic therapy is independent of CD4+ T cells and dependent on natural killer cells. Brazilian Journal of Cancer 96: 1839-1848.

Kessel, D.; Morgan, A.; Garbo, G. M. (1991). Sites and efficacy of photodamage by tin etiopurpurin in vitro using different delivery systems. Photochemistry and photobiology 54: 193-6.

Kessel, D.; Luo, Y.; Deng, Y.; Chang, C. K. (1997). The role of subcellular localization in initiation of apoptosis by photodynamic therapy. Photochemistry and photobiology 65: 422-6.

Kessel, D.; Vicente, M. G.; Reiners, J. J. (2006). Initiation of apoptosis and autophagy by photodynamic therapy. Autophagy 2: 289-90.

Kessel, D.; Reiners, J. J. (2007). Apoptosis and autophagy after mitochondrial or endoplasmic reticulum photodamage. Photochemistry and photobiology 83: 1024-8.

Kolárová, H.; Lenobel, R.; Kolar, P.; Strnad, M. (2007). Sensitivity of different cell lines to phototoxic effect of disulfonated chloroaluminium phthalocyanine. Toxicology in Vitro 21: 1304-1306.

Kolárová, H.; Bajgar, R.; Tománková, K.; Krestýn, E.; Dolezal, L.; Hálek, J. (2007). In vitro study of reactive oxygen species production during photodynamic therapy in ultrasound-pretreated cancer cells. Physiological research / Academia Scientiarum Bohemoslovaca 56 Suppl 1: S27-32.

Korbelik, M. (1992). Low density lipoprotein receptor pathway in the delivery of Photofrin: how much is it relevant for selective accumulation of the photosensitizer in tumors? Journal of photochemistry and photobiology. B, Biology 12: 107-9.

Korbelik, M. (2006). PDT-Associated Host Response and its Role in the Therapy Outcome. Lasers in Surgery and Medicine 38: 500-508.

Klionsky, D. J. (2005). The molecular machinery of autophagy: unanswered questions. Journal of cell science 118: 7-18.

Krammer, B.; Plaetzer, K. (2008). ALA and its clinical impact, from bench to bedside. Photochemical & photobiological sciences 7: 283-9.

Kufe, D. W.; Pollock, R. E.; Weichselbaum, R. R.; Bast, R. C.; Gansler, T. S.; Hollande, J. F.; Frei, E. (2003). Holland-Frei Cancer Medicine - NCBI Bookshelf. Hamilton: BC Decker.

Kuimova, M.; Bhatti, M.; Deonarain, M.; Yahioglu, G.; Levitt, J.; Stamati, I.; Suhling, K.; Phillips, D. (2007). Fluorescence characterisation of multiply-loaded anti-HER2 single chain Fv-photosesitizer conjugates suitable for photodynamic therapy. Photochemistry and Photobiology Sciences 6: 933-939.

Kunz, L.; Connelly, J. P.; Woodhams, J. H.; MacRobert, A. J. (2007). Photodynamic modification of disulfonated aluminium phthalocyanine fluorescence in a macrophage cell line. Photochemical & photobiological sciences 6: 940-8.

Larroque, C.; Pelegrin, A.; Van Lier, J. E. (1996). Serum albumin as a vehicle for zinc phthalocyanine: photodynamic activities in solid tumour models. British journal of cancer 74: 1886-90.

Leist, M.; Nicotera, P. (1997). The shape of cell death. Biochemical and biophysical research communications 236: 1-9.

Leslie, E. M.; Deeley, R. G.; Cole, S. P. (2005). Multidrug resistance proteins: role of P-glycoprotein, MRP1, MRP2, and BCRP (ABCG2) in tissue defense. Toxicology and applied pharmacology 204: 216-37.

Leung, W. N.; Sun, X.; Mak, N. K.; Yow, C. M. (2002). Photodynamic effects of mTHPC on human colon adenocarcinoma cells: photocytotoxicity, subcellular localization and apoptosis. Photochemistry and photobiology 75: 406-11.

Lim, Y.; Yoo, J.; Park, D.; Kang, G.; Hwang, B.; Kim, Y.; Ha, K. (2009). Antitumor effect of photodynamic therapy with chlorin-based photosensitizer DH-II-24 in colorectal carcinoma. Cancer science 100: 2431-6.

Lodish, H. F.; Berk, A.; Zipursky, S. L.; Matsudaira, P.; Baltimore, D.; Darnell, J. (2000). Molecular Cell Biology. New York: W. H. Freeman.

Lou, P.; Jones, L.; Hopper, C. (2003). Clinical outcomes of photodynamic therapy for head-and-neck cancer. Technology in cancer research & treatment 2: 311-7.

MacCormack, M. (2008). Photodynamic therapy in dermatology: an update on applications and outcomes. Seminars in Cutaneous Medicine and Surgery 27: 52-62.

Manyak, M.; Ogan, K. (2003). Photodynamic therapy for refractory superficial bladder cancer: long-term clinical outcomes of single treatment using intravesical diffusion medium. Journal of endourology 17: 633-639.

Marchal, S.; Bezdetnaya, L.; Guillemin, F. (2004). Modality of cell death induced by Foscan-based photodynamic treatment in human colon adenocarcinoma cell line HT29. Biochemistry. Biokhimiia 69: 45-9.

Marchal, S.; Fadloun, A.; Maugain, E.; D'Hallewin, M.; Guillemin, F.; Bezdetnaya, L. (2005). Necrotic and apoptotic features of cell death in response to Foscan photosensitization of HT29 monolayer and multicell spheroids. Biochemical pharmacology 69: 1167-76.

Marmur, E. S.; Schmults, C. D.; Goldberg, D. J. (2004). A review of laser and photodynamic therapy for the treatment of nonmelanoma skin cancer. Dermatologic surgery 30: 264-71.

Maziere, J. C.; Santus, R.; Morliere, P.; Reyftmann, J. P.; Candide, C.; Mora, L.; Salmon, S.; Maziere, C.; Gatt, S.; Dubertret, L. (1990). Cellular uptake and photosensitizing properties of anticancer porphyrins in cell membranes and low and high density lipoproteins. Journal of photochemistry and photobiology. B, Biology 6: 61-8.

McMahon, K.; Wieman, T.; Moore, P.; Fingar, V. (1994). Effects of photodynamic therapy using mono-L-aspartyl chlorin e6 on vessel constriction, vessel leakage, and tumor response. Cancer Research 54: 5374-5379.

Mikes, J.; Kleban, J.; Sacková, V.; Horváth, V.; Jamborová, E.; Vaculová, A.; Kozubík, A.; Hofmanová, J.; Fedorocko, P. (2007). Necrosis predominates in the cell death of human colon adenocarcinoma HT-29 cells treated under variable conditions of photodynamic therapy with hypericin. Photochemical & photobiological sciences 6: 758-66.

Mitton, D.; Ackroyd, R. (2008). A brief overview of photodynamic therapy in Europe. Photodiagnosis and photodynamic therapy 5: 103-11.

Moghissi, K.; Dixon, K.; Thorpe, J. A.; Stringer, M.; Moore, P. J. (2000). The role of photodynamic therapy (PDT) in inoperable oesophageal cancer. European journal of cardio-thoracic surgery 17: 95-100.

Moor, A. C. 2000. Signaling pathways in cell death and survival after photodynamic therapy. Journal of photochemistry and photobiology. B, Biology 57: 1-13.

Morton, C. A.; Brown, S. B.; Collins, S.; Ibbotson, S.; Jenkinson, H.; Kurwa, H.; Langmack, K.; McKenna, K.; Moseley, H.; Pearse, A. D.; Stringer, M.; Taylor, D. K.; Wong, G.; Rhodes, L. E. (2002). Guidelines for topical photodynamic therapy: report of a workshop of the British Photodermatology Group. The British journal of dermatology 146: 552-67.

Nakamura, T.; Fukui, H.; Ishii, Y.; Ejiri, K.; Ejiri, M. (2003). Photodynamic therapy with polypectomy for rectal cancer. Gastrointestinal endoscopy 57: 266-9.

O'Connor, A. E., Gallagher, W. M., Byrne, A. T. (2009). Porphyrin and nonporphyrin photosensitizers in oncology: preclinical and clinical advances in photodynamic therapy. Photochemistry and photobiology 85: 1053-74.

Olivo, M.; Lau, W.; Manivasager, V.; Tan, P. H.; Soo, K. C.; Cheng, C. (2003). Macro-microscopic fluorescence of human bladder cancer using hypericin fluorescence cystoscopy and laser confocal microscopy. International journal of oncology 23: 983-90.

Ortel, B.; Shea, C. R.; Calzavara-Pinton, P. (2009). Molecular mechanisms of photodynamic therapy. Frontiers in bioscience : a journal and virtual library 14: 4157-72.

Ortner, M. (2001). Photodynamic therapy for cholangiocarcinoma. Journal of hepato-biliary-pancreatic surgery 8: 137-9.

Parker, C. (1968). Photoluminiscence of Solutions. Amsterdam: Elsevier.

Perry, R. R.; Matthews, W.; Mitchell, J. B.; Russo, A.; Evans, S.; Pass, H. I. (1990). Sensitivity of different human lung cancer histologies to photodynamic therapy. Cancer research 50: 4272-6.

Picard, N.; Ali, H.; van Lier, J. E.; Klarskov, K.; Paquette, B. (2009). Bromines on N-allyl position of cationic porphyrins affect both radio- and photosensitizing properties. Photochemical & photobiological sciences 8: 224-32.

Pineiro, M.; Carvalho, A.; Pereira, M.; Rocha Gonsalves, A. M.; Arnaut, L.; Formosinho, S. (1998). Photoacoustic measurements of porphyrin triplet-state quantum yelds and singlet-oxygen efficiences. Chemistry a European Journal 4: 2299-2307.

Pittet, O.; Petermann, D.; Michod, D.; Krueger, T.; Cheng, C.; Ris, H.; Widmann, C. (2007). Effect of the TAT-RasGAP(317-326) peptide on apoptosis of human malignant mesothelioma cells and fibroblasts exposed to meso-tetra-hydroxyphenyl-chlorin and light. Journal of photochemistry and photobiology. B, Biology 88: 29-35.

Plaetzer, K.; Kiesslich, T.; Oberdanner, C. B.; Krammer, B. (2005). Apoptosis following photodynamic tumor therapy: induction, mechanisms and detection. Current pharmaceutical design 11: 1151-65.

Plaetzer, K.; Krammer, B.; Berlanda, J.; Berr, F. (2009). Photophysics and photochemistry of photodynamic therapy : fundamental aspects. Lasers in medical science 24: 259-268.

Pottier, R.; Kennedy, J. C. (1990). The possible role of ionic species in selective biodistribution of photochemotherapeutic agents toward neoplastic tissue. Journal of photochemistry and photobiology. B, Biology 8: 1-16.

Qiang, Y.; Zhang, X.; Li, J.; Huang, Z. (2006). Photodynamic therapy for malignant and non-malignant diseases: clinical investigation and application. Chinese medical journal 119: 845-57.

Qiang, Y.; Yow, C. M.; Huang, Z. (2007). Combination of Photodynamic Therapy and Immunomodulation : Current Status and FutureTrends. Sciences-New York 28: 632-644.

Ricchelli, F.; Jori, G.; Moreno, G.; Vinzens, F.; Salet, C. (1990). Factors influencing the distribution pattern of porphyrins in cell membranes. Journal of photochemistry and photobiology. B, Biology 6: 69-77.

Ris, H. B.; Krueger, T.; Giger, A.; Lim, C. K.; Stewart, J. C.; Althaus, U.; Altermatt, H. J. (1999). Photodynamic therapy with mTHPC and polyethylene glycol-derived mTHPC: a comparative study on human tumour xenografts. British journal of cancer 79: 1061-6.

Roberts, W. G.; Hasan, T. (1992). Role of neovasculature and vascular permeability on the tumor retention of photodynamic agents. Cancer research 52: 924-30.

Robertson, C. A.; Evans, D. H.; Abrahamse, H. (2009). Photodynamic therapy (PDT): A short review on cellular mechanisms and cancer research applications for PDT. Journal of Photochemistry & Photobiology, B: Biology 96: 1-8.

Robinson, K. M.; Janes, M. S.; Pehar, M.; Monette, J. S.; Ross, M. F.; Hagen, T. M.; Murphy, M. P.; Beckman, J. S. (2006). Selective fluorescent imaging of superoxide in vivo using ethidium-based probes. Proceedings of the National Academy of Sciences 103: 15038-15043.

Rodrigues, N. R.; Rowan, A.; Smith, M. E.; Kerr, I. B.; Bodmer, W. F.; Gannon, J. V.; Lane, D. P. (1990). p53 mutations in colorectal cancer. Proceedings of the National Academy of Sciences of the United States of America 87: 7555-9.

Saczko, J.; Mazurkiewicz, M.; Chwiłkowska, A.; Kulbacka, J.; Kramer, G.; Ługowski, M.; Snietura, M.; Banaś, T. (2007). Intracellular distribution of Photofrin in malignant and normal endothelial cell lines. Folia biologica 53: 7-12.

Serra, A. C.; Pineiro, M.; Pereira, N.; Rocha Gonsalves, A. M.; Laranjo, M.; Abrantes, M.; Botelho, M. F. (2008). A look at clinical applications and developments of photodynamic therapy. Oncology Reviews 2: 235-249.

Serra, A. C.; Pineiro, M.; Rocha Gonsalves, A. M.; Abrantes, M.; Laranjo, M.; Santos, A. C.; Botelho, M. F. (2008). Halogen atom effect on photophysical and photodynamic characteristics of derivatives of 5,10,15,20-tetrakis(3-hydroxyphenyl)porphyrin. Journal of photochemistry and photobiology. B, Biology 92: 59-65.

Serra, A.; Pineiro, M.; Santos, C. I.; Gonsalves, A. M.; Abrantes, M.; Laranjo, M.; Botelho, M. F. (2010). In vitro photodynamic activity of 5,15-bis(3-hydroxyphenyl)porphyrin and

its halogenated derivatives against cancer cells. Photochemistry and photobiology 86: 206-12.

Silva, E. M.; Serra, V. V.; Ribeiro, A. O.; Tomé, J. P.; Domingues, P.; Faustino, M. A.; Neves, M. G.; Tomé, A. C.; Cavaleiro, J. A.; Ferrer-Correia, A. J.; Iamamoto, Y.; Domingues, M. R. (2006). Characterization of cationic glycoporphyrins by electrospray tandem mass spectrometry. Rapid communications in mass spectrometry : RCM 20: 3605-11.

Skyrme, R. J.; French, A. J.; Datta, S. N.; Allman, R.; Mason, M. D.; Matthews, P. N. (2005). A phase-1 study of sequential mitomycin C and 5-aminolaevulinic acid-mediated photodynamic therapy in recurrent superficial bladder carcinoma. BJU international 95: 1206-10.

Soler, A.; Warloe, T.; Berner, A.; Giercksky, K. (2001). A follow-up study of recurrence and cosmesis in completely responding superficial and nodular basal cell carcinomas treated with methyl 5-aminolaevulinate-based photodynamic therapy alone and with prior curettage. British Journal of Dermatology 145: 467-471.

Songca, S. P. (2001). In-vitro activity and tissue distribution of new fluorinated meso-tetrahydroxyphenylporphyrin photosensitizers. The Journal of pharmacy and pharmacology 53: 1469-75.

Spinelli, P.; Calarco, G.; Mancini, A.; Ni, X. (2006). Operative colonoscopy in cancer patients. Minimally invasive therapy & allied technologies 15: 339-47.

Stummer, W.; Beck, T.; Beyer, W.; Mehrkens, J. H.; Obermeier, A.; Etminan, N.; Stepp, H.; Tonn, J.; Baumgartner, R.; Herms, J.; Kreth, F. W. (2008). Long-sustaining response in a patient with non-resectable, distant recurrence of glioblastoma multiforme treated by interstitial photodynamic therapy using 5-ALA: case report. Journal of neuro-oncology 87: 103-9.

Stylli, S. S.; Kaye, A. H. (2006). Photodynamic therapy of cerebral glioma - a review. Part II - clinical studies. Journal of clinical neuroscience 13: 709-17.

Szeimies, R.; Morton, C. A.; Sidoroff, A.; Braathen, L. R. (2005). Photodynamic therapy for non-melanoma skin cancer. Acta dermato-venereologica 85: 483-90.

Szygula, M.; Pietrusa, A.; Adamek, M.; Wojciechowski, B.; Kawczykkrupka, A.; Cebula, W.; Duda, W.; Sieron, A. (2004). Combined treatment of urinary bladder cancer with the use of photodynamic therapy (PDT) and subsequent BCG-therapy: a pilot study. Photodiagnosis and Photodynamic Therapy 1: 241-246.

Tarpey, M. M.; Wink, D. A.; Grisham, M. B. (2004). Methods for detection of reactive metabolites of oxygen and nitrogen: in vitro and in vivo considerations. American journal of physiology. Regulatory, integrative and comparative physiology 286: R431-44.

Triesscheijn, M.; Baas, P.; Schellens, J. H.; Stewart, F. A. (2006). Photodynamic therapy in oncology. The oncologist 11: 1034-44.

Um, Y.; Cho, S.; Woo, H. B.; Kim, Y. K.; Kim, H.; Ham, J.; Kim, S.; Ahn, C. M.; Lee, S. (2008). Synthesis of curcumin mimics with multidrug resistance reversal activities. Bioorganic & medicinal chemistry 16: 3608-15.

Usuda, J.; Kato, H.; Okunaka, T.; Furukawa, K.; Yamada, K.; Suga, Y.; Honda, H.; Nagatsuka, Y.; Ohira, T.; Tsuboi, M.; Hirano, T. (2006). Photodynamic Therapy (PDT) for Lung Cancers. Journal of Thoracic Oncology 1: 489-493.

Uzdensky, A. B.; Ma, L. W.; Iani, V.; Hjortland, G. O.; Steen, H. B.; Moan, J. (2001). Intracellular localisation of hypericin in human glioblastoma and carcinoma cell lines. Lasers in medical science 16: 276-83.

van Duijnhoven, F. H.; Aalbers, R. I.; Rovers, J. P., Terpstra, O. T.; Kuppen, P. J. (2003). The immunological consequences of photodynamic treatment of cancer, a literature review. Immunobiology 207: 105-13.

Verma, S.; Watt, G. M.; Mai, Z.; Hasan, T. (2007). Strategies for enhanced photodynamic therapy effects. Photochemistry and photobiology 83: 996-1005.

Verrico, A. K.; Haylett, A. K.; Moore, J. V. (2001). In vivo Expression of the Collagen-Related Heat Shock Protein HSP47, Following Hyperthermia or Photodynamic Therapy. Lasers in medical science 16: 192-198.

Wang, X.; Wang, H.; Guo, M.; Xu, S. (2008). Treatment of skin cancer and pre-cancer using topical ALA-PDT--a single hospital experience. Photodiagnosis and photodynamic therapy 5: 127-33.

Waterfield, E.; Renke, M.; Smits, C.; Gervais, M.; Bower, R.; Stonefield, M.; Levy, J. (2008). Wavelength-dependent effects of benzoporphyrin derivative monoacid ring A in vivo and in vitro. Photochemistry and Photobiology 87: 709-717.

Watson, A. J. (2006). An overview of apoptosis and the prevention of colorectal cancer. Critical reviews in oncology/hematology 57: 107-21.

Westerman, P.; Glanzmann, T.; Andrejevic, S.; Braichotte, D. R.; Forrer, M.; Wagnieres, G. A.; Monnier, P.; Van Den Bergh, H.; Mach, J. P.; Folli, S. (1998). Long circulating half-life and high tumor selectivity of the photosensitizer meta-tetrahydroxyphenylchlorin conjugated to polyethylene glycol in nude mice grafted with a human colon carcinoma. International journal of cancer. Journal international du cancer 76: 842-50.

Wiedmann, M. W.; Caca, K. (2004). General principles of photodynamic therapy (PDT) and gastrointestinal applications. Current pharmaceutical biotechnology 5: 397-408.

Wiehe, A.; Shaker, Y. M.; Brandt, J. C.; Mebs, S.; Senge, M. O. (2005). Lead structures for applications in photodynamic therapy. Part 1: Synthesis and variation of m-THPC (Temoporfin) related amphiphilic A2BC-type porphyrins. Tetrahedron 61: 5535-5564.

Wolfsen, H. C. (2002). Photodynamic therapy for mucosal esophageal adenocarcinoma and dysplastic Barrett's esophagus. Digestive diseases (Basel, Switzerland) 20: 5-17.

Woodburn, K. W.; Fan, Q.; Kessel, D.; Luo, Y.; Young, S. W. (1998). Photodynamic therapy of B16F10 murine melanoma with lutetium texaphyrin. The Journal of investigative dermatology 110: 746-51.

Xue, L.; Chiu, S.; Azizuddin, K.; Joseph, S.; Oleinick, N. L. (2008). Protection by Bcl-2 against apoptotic but not autophagic cell death after photodynamic therapy. Autophagy 4: 125-7.

Yang, J. Z.; Van Vugt, D. A.; Kennedy, J. C.; Reid, R. L. (1993). Intrauterine 5-aminolevulinic acid induces selective fluorescence and photodynamic ablation of the rat endometrium. Photochemistry and photobiology 57: 803-7.

Yao, J.; Jiang, Z.; Duan, W.; Huang, J.; Zhang, L.; Hu, L.; He, L.; Li, F.; Xiao, Y.; Shu, B.; Liu, C. (2008). Involvement of Mitochondrial Pathway in Triptolide-Induced Cytotoxicity in Human Normal Liver L-02 Cells. Biological & Pharmaceutical Bulletin 31: 592-597.

Yslas, E.; Durantini, E.; Rivarola, V. (2007). Zinc-(II) 2,9,16,23-tetrakis (methoxy) phthalocyanine: potential photosensitizer for use in photodynamic therapy in vitro. Bioorganic & Medicina Chemistry 15: 4651-4660.

Yu, J.; Zhang, L. (2004). Apoptosis in human cancer cells. Current opinion in oncology 16: 19-24.

Yuan, F.; Leunig, M.; Berk, D. A.; Jain, R. K. (1993). Microvascular permeability of albumin, vascular surface area, and vascular volume measured in human adenocarcinoma LS174T using dorsal chamber in SCID mice. Microvascular research 45: 269-89.

Zelenkov, P.; Baumgartner, R.; Bise, K.; Heide, M.; Meier, R.; Stocker, S.; Sroka, R.; Goldbrunner, R.; Stummer, W. (2007). Acute morphological sequelae of photodynamic therapy with 5-aminolevulinic acid in the C6 spheroid model. Journal of neuro-oncology 82: 49-60.

Zhao, H.; Joseph, J.; Fales, H. M.; Sokoloski, E. A.; Levine, R. L.; Vasquez-Vivar, J.; Kalyanaraman, B. (2005). Detection and characterization of the product of hydroethidine and intracellular superoxide by HPLC and limitations of fluorescence. Proceedings of the National Academy of Sciences of the United States of America 102: 5727-32.