

CONTENTS

Cited in: Chemical Abstracts, Excerpta Medica (EMBASE), Current Contents (Clinical Medicine; Life Sciences), Index Medicus (MEDLINE), Current Awareness in Biological Sciences (CABS), Full text available on ScienceDirect®

Reviews

- A systematic review and meta-analysis of pT2 rectal cancer spread and recurrence pattern: Implications for target design in radiation therapy for organ preservation
 J. Socha, L. Pietrzak, A. Zawadzka, A. Paciorkiewicz, A. Krupa, K. Bujko (Poland) 20
- Are further studies needed to justify the use of proton therapy for paediatric cancers of the central nervous system? A review of current evidence
 M. Huynh, L.G. Marcu, E. Giles, M. Short, D. Matthews, E. Bezak (Australia, Romania) 140
- Carotid stenosis prevalence after radiotherapy in nasopharyngeal carcinoma: A meta-analysis
 W. Liao, Y. Zheng, S. Bi, B. Zhang, Y. Xiong, Y. Li, W. Fang, S. Xiao, L. Yang, A. Thea, J. Liu (China, USA) 167

Clinical Trials

- Reoxygenation during radiotherapy in intermediate-risk prostate cancer
 S. Supiot, C. Rousseau, M. Dore, C. Chèze-Le-Rest, C. Kandel-Aznar, V. Potiron, S. Guerif, F. Paris, L. Ferrer, L. Champion, P. Meingan, G. Delpon, M. Hatt, D. Visvikis (France) 16
- Predictive factors for response and toxicity after brachytherapy for rectal cancer; results from the HERBERT study
 E.C. Rijkmans, C.A.M. Marijnen, B. van Triest, M. Ketelaars, A. Cats, A. Inderson, R.P.J. van den Ende, M.S. Laman, E.M. Kerkhof, R.A. Nout (the Netherlands) 176
- Doses of radiation to the pericardium, instead of heart, are significant for survival in patients with non-small cell lung cancer
 J. Xue, C. Han, A. Jackson, C. Hu, H. Yao, W. Wang, J. Hayman, W. Chen, J. Jin, G.P. Kalemkerian, M. Matuzsak, S. Jolly, F.M. (Spring) Kong (USA, China) 213

Breast Cancer

- Ductal carcinoma in situ and intraoperative partial breast irradiation: Who are the best candidates? Long-term outcome of a single institution series
 M.C. Leonardi, G. Corrao, S. Frassoni, A. Vingiani, S. Dicuonzo, M. Lazzeroni, C. Fodor, A. Morra, M.A. Gerardi, D.P. Rojas, V. Dell'Acqua, G. Marvaso, F.D. Bassi, V.E. Galimberti, P. Veronesi, E. Miglietta, F. Cattani, S. Zurrada, V. Bagnardi, G. Viale, R. Orecchia, B.A. Jerezek-Fossa (Italy) 68
- Location of arm draining lymph node in relation to breast cancer radiotherapy field and target volume
 W. Wang, R. Ward, D. Jia, S. Ashworth, E. Estoesta, T. Moodie, V. Ahern, K. Stuart, N. Ngui, J. French, E. Elder, D. Farlow (Australia) 193

Central Nervous System

- Volume not number of metastases: Gamma Knife radiosurgery management of intracranial lesions from an Australian perspective
 M.A. Izard, V. Moutrie, J.M. Rogers, K. Beath, M. Grace, B. Karle, A. Ho, J.W. Fuller (Australia) 43

Gastrointestinal Cancers

- Dose escalation by intensity modulated radiotherapy in liver-directed concurrent chemoradiotherapy for locally advanced BCLC stage C hepatocellular carcinoma
 H.K. Byun, H.J. Kim, Y.R. Im, D.Y. Kim, K.-H. Han, J. Seong (South Korea) 1
- Utility of fiducial markers for target positioning in proton radiotherapy of oesophageal carcinoma
 R. Apolle, S. Brückner, S. Frosch, M. Rehm, J. Thiele, C. Valentini, F. Lohaus, J. Babatz, D.E. Aust, J. Hampe, E.G.C. Troost (Germany) 28
- Adjuvant radiation therapy for T4 non-rectal colon adenocarcinoma provides a cause-specific survival advantage: A SEER database analysis
 C. McLaughlin, N.-K. Kim, D. Bandyopadhyay, X. Deng, B. Kaplan, K. Matin, E.C. Fields (United States) 50
- Proton beam therapy outcomes for localized unresectable hepatocellular carcinoma
 A.S. Chadha, J.R. Gunther, C.-E. Hsieh, M. Aliru, L.S. Mahadevan, B.P. Venkatesulu, C.H. Crane, P. Das, J.M. Herman, E.J. Koay, C. Taniguchi, E.B. Holliday, B.D. Minsky, Y. Suh, P. Park, G. Sawakuchi, S. Beddar, B.C. Odisio, S. Gupta, E. Loyer, H. Kaur, K. Raghav, M.M. Javle, A.O. Kaseb, S. Krishnan (United States, Taiwan) 54
- Dosimetric predictors for postoperative pulmonary complications in esophageal cancer following neoadjuvant chemoradiotherapy and surgery
 W.K. Cho, D. Oh, H.K. Kim, Y.C. Ahn, J.M. Noh, Y.M. Shim, J.I. Zo, Y.S. Choi, J.-M. Sun, S.-H. Lee, M.-J. Ahn, K. Park, H. Nam (Republic of Korea) 87
- Predictive factors for survival of oligometastatic colorectal cancer treated with Stereotactic body radiation therapy
 C. Franzese, T. Comito, E. Toska, A. Tozzi, E. Clerici, F. De Rose, D. Franceschini, P. Navarra, G. Reggiori, S. Tomatis, M. Scorsetti (Italy) 220

Genitourinary Cancers

- Impact of a dominant intraprostatic lesion (DIL) boost defined by sextant biopsy in permanent I-125 prostate implants on biochemical disease free survival (bDFS) and toxicity outcomes
 E. Guimond, M.-C. Lavallée, W. Foster, É. Vigneault, K. Guay, A.-G. Martin (Canada) 62

Head and Neck Cancers

- Fatigue following radiation therapy in nasopharyngeal cancer survivors: A dosimetric analysis incorporating patient report and observer rating
 M. Kamal, D.I. Rosenthal, A. Batra, S. Volpe, B. Elgohari, R.P. Goepfert, A.S. Garden, J. Phan, S. Eraj, A. Dursteler, B. Williams, J. Smith, J. Aymard, J. Berends, A. White, A. Jethanandani, C.E. Cardenas, S.J. Frank, W.H. Morrison, E.M. Sturgis, C.S. Cleeland, T.R. Mendoza, A.S.R. Mohamed, C.D. Fuller, G.B. Gunn (Egypt, Italy, USA) 35

Intrathoracic Cancers

- Prophylactic cranial irradiation in stage IV small cell lung cancer: Selection of patients amongst European IASLC and ESTRO experts
P.M. Putora, M. Glatzer, J. Belderbos, B. Besse, F. Blackhall, R. Califano, F. Cappuzzo, F. de Marinis, R. Dziadziuszko, E. Felip, C. Faivre-Finn, M. Früh, P. Garrido, C. Le Pechoux, F. McDonald, U. Nestle, S. Novello, M. O'Brien, L. Paz Ares, S. Peeters, C. Pöttgen, S. Ramella, M. Reck, B. Slotman, E.G.C. Troost, P. Van Houtte, V. Westeel, J. Widder, F. Mornex, D. De Ruyscher (Switzerland, the Netherlands, France, UK, Italy, Spain, Poland, Germany, Belgium, Austria) 163

Physics

- Applying a commercial atlas-based synthetic Computed Tomography algorithm to patients with hip prostheses for prostate Magnetic Resonance-only radiotherapy
J. Wyatt, H. McCallum (UK) 100
- Mechanically-assisted non-invasive ventilation: A step forward to modulate and to improve the reproducibility of breathing-related motion in radiation therapy
G. Van Ooteghem, D. Dasnoy-Sumell, M. Lambrecht, G. Reyckler, G. Liistro, E. Sterpin, X. Geets (Belgium) 132
- Importance of training in external beam treatment planning for locally advanced cervix cancer: Report from the EMBRACE II dummy run
Y. Seppenwoolde, M.S. Assenholt, D. Georg, R. Nout, L.T. Tan, T. Rumpold, A. de Leeuw, I. Jürgenliemk-Schulz, C. Kirisits, R. Pötter, J.C. Lindegaard, K. Tanderup, the EMBRACE Collaborative Group (Austria, Denmark, the Netherlands, United Kingdom) 149
- Feasibility and accuracy of quantitative imaging on a 1.5 T MR-linear accelerator
E.S. Kooreman, P.J. van Houdt, M.E. Nowee, V.W.J. van Pelt, R.H.N. Tijssen, E.S. Paulson, O.J. Gurney-Champion, J. Wang, F. Koetsveld, L.D. van Buuren, L.C. ter Beek, U.A. van der Heide (the Netherlands, United States, United Kingdom) 156
- Independent knowledge-based treatment planning QA to audit Pinnacle autoplanning
T.M. Janssen, M. Kusters, Y. Wang, G. Wortel, R. Monshouwer, E. Damen, S.F. Petit (The Netherlands) 198

Biology

- DNA damage response of clinical carbon ion versus photon radiation in human glioblastoma cells
R. Lopez Perez, N.H. Nicolay, J.-C. Wolf, M. Frister, P. Schmezer, K.-J. Weber, P.E. Huber (Germany) 77
- Synchrotron microbeam radiotherapy evokes a different early tumor immunomodulatory response to conventional radiotherapy in EMT6.5 mammary tumors
Y. Yang, A. Swierczak, M. Ibahim, P. Paiva, L. Cann, A.W. Stevenson, J.C. Crosbie, R.L. Anderson, P.A.W. Rogers (Australia, UK, Malaysia) 93
- Intrinsic and extrinsic tumor characteristics are of minor relevance for the efficacy of split-dose carbon ion irradiation in three experimental prostate tumors
C. Glowa, P. Peschke, S. Brons, J. Debus, C.P. Karger (Germany) 120
- 4D liver tumor localization using cone-beam projections and a biomechanical model
Y. Zhang, M.R. Folkert, B. Li, X. Huang, J.J. Meyer, T. Chiu, P. Lee, J.N. Tehrani, J. Cai, D. Parsons, X. Jia, J. Wang (USA, China) 183

Personalized Radiation Oncology

- The relationship of lymphocyte recovery and prognosis of esophageal cancer patients with severe radiation-induced lymphopenia after chemoradiation therapy
W. Deng, C. Xu, A. Liu, P.S.N. van Rossum, W. Deng, Z. Liao, A.C. Koong, R. Mohan, S.H. Lin (United States, China, The Netherlands) 9
- Predicting radiation pneumonitis in locally advanced stage II–III non-small cell lung cancer using machine learning
J.M. Luna, H.-H. Chao, E.S. Diffenderfer, G. Valdes, C. Chinniah, G. Ma, K.A. Cengel, T.D. Solberg, A.T. Berman, C.B. Simone II (United States) 106
- The METABANK score: A clinical tool to predict survival after stereotactic radiotherapy for oligometastatic disease
R. Van den Begin, B. Engels, C. Collen, T. de Vin, A. Defauw, E. Dubaere, K. Barbé, M. De Ridder (Belgium) 113
- Significance of perineural and lymphovascular invasion in locally advanced rectal cancer treated by preoperative chemoradiotherapy and radical surgery: Can perineural invasion be an indication of adjuvant chemotherapy?
J.H. Song, M. Yu, K.M. Kang, J.H. Lee, S.H. Kim, T.K. Nam, J.U. Jeong, H.S. Jang, J.W. Lee, J.-H. Jung (Republic of Korea) 125
- External validation of a prognostic model incorporating quantitative PET image features in oesophageal cancer
K.G. Foley, Z. Shi, P. Whybra, P. Kalendralis, R. Larue, M. Berbee, M.N. Sosef, C. Parkinson, J. Staffurth, T.D.L. Crosby, S.A. Roberts, A. Dekker, L. Wee, E. Spezi (UK, The Netherlands) 205

Letters to the Editor

- A global call for increased interdisciplinary oncologic education
A.S. Akthar, D.W. Golden (USA) 227
- Response to Golden DW et al “A global call for increased interdisciplinary oncologic education”
N. O'Higgins, J. Grau-Eriksen, L. Wyld, K. Benstead (Ireland, Denmark, United Kingdom) 229

Corrigendum

- Corrigendum to “Geometric uncertainties in voluntary deep inspiration breath hold radiotherapy for locally advanced lung cancer” [Radiother. Oncol. 118 (2016) 510–514]
M. Josipovic, G.F. Persson, J. Dueck, J. Peter Bangsgaard, G. Westman, L. Specht, M.C. Aznar (Denmark, Switzerland) 230