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### ATTIVITÀ DI RICERCA

Ginecologia oncologica, Neoplasie del tratto pancreatico e intestinale, Sarcomi.

### PUBBLICAZIONI

Poster, abstract e comunicazioni orali

- **A. Barcellini**, E. Parietti, I. Cafaro, *Outcomes of APBI with Mammosite in early-breast cancer: Cremona's brachytherapy experience*. Poster presentation; Young scientists' forum 2015, Poznan (endorsed by ESTRO)
- **A. Barcellini**, R. Gueli, E. Girelli, E. Parietti, I. Cafaro, *Stereotactic radiosurgery for brain metastases: toxicity and outcomes. A mono-institutional experience*. Poster e presentazione orale; 4th SRS/SBRT Meeting 2016, Beacon Hospital, Dublino (endorsed by ESTRO) – Young Investigator Award
- **A. Barcellini**, E. Girelli, R. Gueli, E. Parietti, I. Cafaro, *An unusual presentation of metastasis from endometrial carcinoma: a case report*. Poster XXVI Congresso Nazionale AIRO, Rimini 2016; Abstract Book P034, pagina 85
- **A. Barcellini**, B. Belvito, E. Parietti, I. Cafaro, *Deformable Image Registration: patterns of failure, toxicity and dose monitoring for recurrent head and neck cancer*. Presentazione orale XXVI Congresso Nazionale AIRO, Rimini 2016; Abstract Book C060, pagina 65; Sessione: AIRO Giovani
- **A. Barcellini**, E. Parietti, I. Cafaro, *APBI with interstitial brachytherapy for local recurrences: analysis of treatment efficacy cosmesis and toxicity*. Presentazione orale XXVI Congresso Nazionale AIRO, Rimini 2016; Abstract Book C060, pagina 65; Sessione: AIRO Giovani
- C. Fontanella, S. Lepori, **A. Barcellini**, G. Maltese, C. Andreetta, E. Tripodi, F. Martinelli, A. Cerrotta, G. Bogani, A. Ditto, M. Signorelli, C. Scappa, C. Sacco, F. Raspagliesi, D. Lorusso, *Is chemotherapy worthwhile in patients with FIGO stage 1B, lymph nodes negative, grade 3 endometrial cancer?*; Annals of Oncology, Volume 28, Issue suppl\_5, 1 September (Poster 977P, ESMO2017) 2017, mdx372.048, <https://doi.org/10.1093/annonc/mdx372.048>
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- A. Cerrotta, B. Pappalardi, **A. Barcellini**, *Image-guided brachytherapy in locally advanced cervical cancer: gold standard and possible optimizations*. Congresso Nazionale AIRO, Rimini 2017 Abstract Book pagina 6
- **A. Barcellini**, C. Tenconi, B. Pappalardi, E. Pignoli, A. Laffranchi, G. Calareso, E. Mazzarella, C. Fallai, A. Cerrotta, A. Messina, *Evaluation of diffusion-weighted magnetic resonance imaging during brachytherapy of locally advanced cervical cancer: preliminary results*. Presentazione orale XXVII Congresso Nazionale AIRO, Rimini 2017; Abstract Book C027 pagina 47
- **A. Barcellini**, B. Pappalardi, M.A. Garcia, F. Bonfantini, A. Alessi, G. Calareso, B. Padovano, C.B. Colombo, E. Pignoli, C. Fallai, A. Cerrotta, *An unexpected response out of the irradiated field: a case report*. Poster XXVII Congresso Nazionale AIRO, Rimini 2017; Abstract Book P211, pagina 200

- A. Barcellini, B. Pappalardi, C. Tenconi, M. Borroni, D. Mazzeo, T. Giandini, E. Mazzarella, P. Verderio, E. Pignoli, C. Fallai, A. Cerrotta, *Dose-effect relationship for vaginal stenosis after brachytherapy for vaginal intraepithelial neoplasia.* Poster XXVII Congresso Nazionale AIRO, Rimini 2017; Abstract Book P242 pagina 217
- A. Barcellini, A.D'Alessio, V.Mongioj, A. Cerrotta, C.G. Stucchi, B. Pappalardi, E. Pignoli, C. Fallai, *Assessment of a robotic couch (Protura™) in CBCT image-guided stereotactic radiosurgery for brain metastases: preliminary results.* Poster XXVII Congresso Nazionale AIRO, Rimini 2017; Abstract Book P271 pagina 232
- B. Pappalardi, C. Tenconi, A. Barcellini, T. Giandini, D. Mazzeo, E. Mazzarella, C. Fallai, M. Carrara, A. Cerrotta, *Rectal dose evaluation during vaginal cuff brachytherapy using rectal tube.* Poster XXVII Congresso Nazionale AIRO, Rimini 2017; Abstract Book P260 pagina 227
- B.Pappalardi, M.Borroni, E.Mazzarella, A.Barcellini, C.Tenconi, C.Fallai, M.Carrara, A. Cerrotta, *Radical High Dose Rate Brachytherapy for Recurrent Basal Cell Carcinoma of the Hand: Case Report.* Poster XXVII Congresso Nazionale AIRO, Rimini 2017; Abstract Book P265 pagina 229
- A. Cerrotta, A. Barcellini, C. Tenconi, B. Pappalardi, E. Mazzarella, A. Laffranchi, G. Calareso, C. Fallai, M.Carrara, E. Pignoli, A. Messina, *Diffusion-weighted magnetic resonance imaging during brachytherapy of locally advanced cervical cancer: preliminary results.* Poster 6th MR in RT Symposium, Utrecht 2018
- A Iannalni, E D'Ippolito, V Vitolo, B Vischioni, M Fiore, M Bonora, S Ronchi, D Caivano, A Barcellini, A Mirandola, S Molinelli, S Russo, A Facoetti, A Vai, E Mastella, G Viselner, M Raciti, M Fanizza, G Magro, D Maestri, M Ciocca, L Preda, F Valvo, R Orecchia; P05.39 *Skull-base chordoma treated with proton and carbon ion radiotherapy: C.N.A.O. clinical experience, Neuro-Oncology*, Volume 20, Issue suppl\_3, 19 September 2018, Pages iii311–iii312
- Brugnatelli S.G., Cobianchi L. Delfanti S., Vitolo V., Klerys C, Preda L, Vanoli A., Ferrari A., Viganò J., Dominion T., La Mattina S., Barcellini A., Pinto C., Zagonel V., Pedrazzoli P, Dionigi P, Valvo F and Orecchia R. *Phase II clinical study for the preoperative treatment of operable or borderline operable adenocarcinoma with chemotherapy and carbon ion hadrotherapy* (terapia Preoperatoria con IOni carbonio Per il tumore del Pancreas Operabile o borderline, PIOPPO trial): feasibility results, Tumori Journal Volume 104, 2018 Issue 4S (Abstract Book 20th National Congress of Italian Association of Medical Oncology (AIOM) 16-18 November, 2018 - Rome, Italy)
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- B. Vischioni, V. Vitolo, A. Hasegawa, M.R. Fiore, E. Ciurlia, P. Fossati, A. Iannalni, A. Barcellini, M. Bonora, S. Ronchi, E. D'Ippolito, E. Mastella, M. Ciocca, F. Valvo, R. Orecchia, *Carbon ion radiotherapy for malignant mucosal melanoma of the head and neck: CNAO experience.* Poster, XXVIII Congresso Nazionale AIRO, Rimini 2018; Abstract Book P195 pagina 202
- F. Valvo, V. Vitolo, A. Barcellini, D. Caivano, P. Fossati, M.R. Fiore, B. Vischioni, A. Iannalni, M. Bonora, S. Ronchi, E. D'Ippolito, A. Facoetti, M. Ciocca, R. Orecchia, *Carbon ion radiotherapy for locally recurrent rectal cancer in patients with prior pelvic irradiation.* Poster, XXVIII Congresso Nazionale AIRO, Rimini 2018; Abstract Book P209 pagina 210
- M.R Fiore, M. Ciocca, C. Mosci, E. Mastella, A. Vai, R. Ricotti, A. Pella, M. Bonora, B. Vischioni, D. Caivano, S. Ronchi, A. Iannalni, V. Vitolo, E. D'Ippolito, A. Barcellini, F. Valvo, R. Orecchia, *The treatment of intraocular melanoma with scanning proton beam at italian national center for oncological hadrontherapy (CNAO).* Poster, XXVIII Congresso Nazionale AIRO, Rimini 2018; Abstract Book P217 pagina 215
- M.R. Fiore, L. Preda, B. Vischioni, S. Casale, M. Fanizza, D. Caivano, S. Ronchi, M. Bonora, A. Iannalni, V. Vitolo, E. D'Ippolito, A. Barcellini, F. Valvo, R. Orecchia, *Carbon ions radiotherapy alone for the treatment of sacral chordoma. Preliminary results at National Center Of Oncological Hadrontherapy (CNAO)* Poster, XXVIII Congresso Nazionale AIRO, Rimini 2018; Abstract Book P221 pagina 217
- S. Ronchi, B. Vischioni, V. Vitolo, M. Bonora, A. Hasegawa, M.R. Fiore, A. Iannalni, E. D'Ippolito, D. Caivano, A. Barcellini, S. Molinelli, D. Maestri, G. Viselner, A. Facoetti, M. Ciocca, L. Preda, F. Valvo, R. Orecchia, *Carbon ion radiotherapy for recurrent pleomorphic adenoma at CNAO: preliminary results.* Poster, XXVIII Congresso Nazionale AIRO, Rimini 2018; Abstract Book P224 pagina 218
- E. D'Ippolito, A. Iannalni, A. Facoetti, D. Caivano, B. Vischioni, M.R. Fiore, V. Vitolo, S. Ronchi, M. Bonora, A. Hasegawa, A. Barcellini, A. Mirandola, A. Vai, E. Mastella, G. Viselner, M. Ciocca, L. Preda, F. Valvo, R. Orecchi,

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- E. D'Ippolito, B. Vischioni , V. Vitolo, M. Bonora, S. Ronchi, A. Hasegawa, D. Alterio, M.R. Fiore, D. Caivano, A. Iannalfi, R. Russo, **A. Barcellini**, A. Mirandola, E. Mastella, G. Magro, G. Viselner, A. Facoetti, M. Ciocca, L. Preda, B.A. Jereczek-Fossa, F. Valvo, R. Orecchia, *Proton therapy boost in locally advanced head and neck cancer: toxicity and clinical outcome.* Poster, XXVIII Congresso Nazionale AIRO, Rimini 2018; Abstract Book P226 pagina 220
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- A. Facoetti, C. Di Gioia, **A. Barcellini**, B. Vischioni, M. Ciocca, R. Nano, F. Pasi, R. Di Liberto, F. Corbella, F. Valvo, R. Orecchia, *Influence of tumour microenvironment signals on migration and invasion features of pancreatic cancer cells exposed to low and high let radiation.* Presentazione orale, XXVIII Congresso Nazionale AIRO, Rimini 2018; Abstract Book C0041 pagina 69
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- M. Bonora, B. Vischioni, D. Caivano, A. Hasegawa, V. Vitolo, S. Ronchi, E. D'Ippolito, A. Iannalfi, M.R. Fiore, **A. Barcellini**, S. Russo, S. Molinelli, A. Vai, G. Viselner, A. Facoetti, M. Ciocca, L. Preda, F. Valvo, R. Orecchia, *Adenoid cystic carcinoma of the head and neck treated with carbon ion radiotherapy at CNAO according to PHASE II clinical study (CNAO S9/2012/C): preliminary results.* Presentazione orale, XXVIII Congresso Nazionale AIRO, Rimini 2018; Abstract Book C0090 pagina 101
- C.T. Delle Curti, **A. Barcellini**, B. Pappalardi, F. Piccolo, C. Fallai, A. Cerrotta, *Radiotherapy in octogenarian and nonagenarian gynecologic patients: a single institutional experience.* Poster, XXVIII Congresso Nazionale AIRO, Rimini 2018; Abstract Book P042 pagina 123
- B. Pappalardi, C.T. Delle Curti, **A. Barcellini**, F. Piccolo, C. Tenconi, T. Giandini, E. Mazzarella, C. Fallai, A. Cerrotta, *High-Dose-Rate brachytherapy for primary vaginal melanoma treatment: a case report.* Poster, XXVIII Congresso Nazionale AIRO, Rimini 2018; Abstract Book P166 pagina 187
- V. Vitolo, L. Cobianchi, **A. Barcellini**, D. Caivano, B. Vischioni, A. Iannalfi, M. Bonora, S. Ronchi, E. D'Ippolito, S. Molinelli, M. Ciocca, P. Fossati, M.R. Fiore, F. Valvo, R. Orecchia, *Carbon ions radiotherapy in the treatment of pancreatic adenocarcinoma.* Poster Presentation, XXVIII Congresso Nazionale AIRO, Rimini 2018; Abstract Book P190 pagina 200
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- V. Vitolo, **A. Barcellini**, P. Fossati, M.R. Fiore, B. Vischioni, A. Iannalfi, M. Bonora, S. Ronchi, E. D'Ippolito, A. Mirandola, M. Ciocca, F. Valvo, R. Orecchia, *Carbon ion radiotherapy in the management of liposarcoma of the spermatic cord: a case report.* Poster, XXVIII Congresso Nazionale AIRO, Rimini 2018; Abstract Book P192 pagina 201
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- M. Bonora, B. Vischioni, D. Caivano, A. Hasegawa, V. Vitolo, S. Ronchi, E. D'Ippolito, A. Iannalifi, M.R. Fiore, **A. Barcellini**, R. Petrucci, S. Russo, S. Molinelli, A. Vai, G. Viselner, A. Facoetti, M. Ciocca, L. Preda, F. Valvo, R. Orecchia, EP-1189 *Adenoid cystic carcinoma of the head and neck treated with carbon ion radiotherapy at CNAO.* Radiotherapy and Oncology Volume 133, Supplement 1, Pages S659 (April 2018; ESTRO38 Meeting)
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#### Articoli scientifici

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