**Supplementary Table 1**.

Previous studies reporting cases of pyoderma gangrenosum associated with different solid malignancies.

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **STUDY** | **SITE** | **SOLID K, onset/stage** | **TIMING PG in relation to K** | **TREATMENT for PG** | **TREATMENT for K** | **OUTCOME PG** | **OTHER ASSOCIATED RISK FACTORS** |
| **Lee 1976**[1]Case report | Legs | Ileum (carcinoid tumor), new (found at autopsy) | 1.5 year before | Topic (hexachlorophene) + systemic (prednisone 40mg) | NA | Partial response (patient died after 12 weeks) | None |
| **Beurey 1977**[2]Case report | Leg and breast (on the incision scar) | BC | NA | Systemic (clofazimine) | Surgery | Complete response with clofazine | Monoclonal dysglobulinemia a2k2 |
| **Thomsen 197**[3]**9**Case report | NA | CRC | 8 years after surgery | Systemic (clofazimine) | Surgery | Complete response with clofazimine | NA |
| **Ortonne 1979**[4]Case report | Leg | OC | 2 years later | Systemic (corticosteroids, clofazimine) | Alkylating agents (Melphalan) | NA (patient died rapidly) | Myelomonocytic leukaemia concomitantly with pyoderma |
| **Powell 1985**[5]Review | NA | Bladder cancer stage IV | NA | NA | NA | NA | None |
| NA | PC stage IV | NA | NA | NA | NA | None |
| NA | CRC stage IV | NA | NA | NA | NA | Ulcerative colitis |
| **Kuhn 1985**[6]Case report | NA | Oral cancer | 17 years before | NA | NA | NA | Selective Ig-A deficiency |
| **Cole 1989**[7]Case report | NA | Adrenocortical carcinoma | NA | NA | Surgery | Complete response after tumor resection | NA |
| **Prystowsky 1989**[8]Retrospecitve anaylis | Arms, leg | SCC | NA | Topic (costicosteroids) | NA | NA | Chron disease |
| **Baruch 1990**[9]Case report | Breast | BC | 7 days after surgery (mastectomy) | NA | Surgery | NA | NA |
| **Maigre 1991**[10]Case report | Buttock | BC stage IV | NA (few days after intramuscular injection) | Systemic (corticosteroids, clofazimine) | CT | Complete response | NA |
| **Basille 1992**[11]case report | Arms | Parotid gland cancer (acinous cell cancer) | NA | Systemic (clofazimine) | Surgery + corticosteroids | Complete response after surgery and corticosteroids | NA |
| **Bayle-Lebey 1995**[12]Case Report | Shoulder | Hypopharynx (adenocarcinoma) | NA | NA | Surgery | Complete response | NA |
| **Gallo 1995**[13]Case report | Legs | GC (signet ring cell carcinoma) | Synchronous | Systemic (cyclosporine) | Surgery (gastrectomy) | Complete response after surgery | None |
| **Von den Driesch 1997**[14]Prospective study |  | GBM | NA | NA | NA | NA | NA |
| **Hughes 2000**[15]Retrospective analysis | Peristoma | Bladder cancer | 11 months after | Topic (cromolyn sodium, Clobetasol propionate) + systemic (dapsone, mycophenolate mofetil, prednisone) | Surgery | No response | None |
| Peristoma | Bladder cancer | 20 years after | Topic (triamcinolone acetonide, Clobetasol propionate)  | Surgery | Complete response | None |
| Peristoma | Rectal cancer  | 20 years after  | Topic (triamcinolone acetonide, Clobetasol propionate) | Surgery | Complete response | None |
| **Labat 2000**[16]Case report | Breast (on mastectomy scar) | BC, stage IV | 19 months after surgery; concomitant to discovery of liver metastasis | NA | Surgery (mastectomy) | Failure | NA |
| **Cailhol 2003**[17]Case report | NA | CRC stage IV | NA | Systemic (corticosteroids) | NA | NA | NA |
| **Meier 2003**[18]Case report | Legs, hands | Renal carcinoma | Concomitant | Systemic (corticosteroids, dapsone) | Surgery (nephrectomy) + CT (thalidomide) | Partial response with thalidomide | Ig-A monoclonal dysglobulinemia |
| **Sakai 2006**[19]Case report | Peristoma | GC + CRC  | 40 days after surgery (ileostomy) | Topic (corticosteroids) | Surgery | Complete response | None |
| **Franca 2006**[20]Case report | Foot, then spread all over the body | GC (signet ring cell carcinoma), stage IV | Synchronous | Systemic (corticosteroids) | CT | Partial response with CT for K | None |
| **Jutley 2007**[21]Case report | Scar of sternotomy (for coronary artery bypass) | NSCLC-squamous | 4 days after sternotomy, 22 months before K diagnosis | Systemic (corticosteroids) | NA | Complete response | NA |
| **Bunte 2008**[22]Case report | Scapula | CRC | 4 months before | Topic (corticosteroids) + systemic (prednisolone, tacrolimus, azathioprine) | Surgery (hemicolectomy) + CT | Complete response after surgery and CT | None |
| **Descheemaeker 2008**[23]Case report | Breast (scar) | BC  | 7 days after surgery for DCIS | Systemic (corticosteroids) | Surgery (tumorectomy)+ RT + adj OT (Tam+LHRHa) | Complete response | None |
| **Campbell 2010**[24]Case report | Abdomen | Ileum (carcinoid tumor) | 7 days after surgery (hemicolectomy) | Systemic (prednisolone, somatostatin, azathioprine) | Surgery | Complete response | None |
| **Regnier-Rosencher 2011**[25]Case report | Leg | Kidney cancer (adenocarcinoma) | Synchronous | Surgery (excision) + topic (corticosteroid) | Surgery | Complete response | None |
| **AL Ghazal 2012**[26]Retrospecitve analysis | NA | BC(2); PC, GBM; Melanoma(2) | Subsequent | NA | NA | NA | NA |
| **Pereira 2013**[27]Retrospective analysis | Limb | CRC | 40 months before | Systemic (corticosteroids) | NA | Complete response | NA |
| Limb | PC | 60 months after | Systemic (corticosteroids, cyclosporine) | NA | Complete response | NA |
| **Al Ghazal 2013**[28]Retrospective analysis | NA | BC(6); Lung Cancer(3); PC(3); Melanoma(3); HCC(2) OC(2);CRC; Laryngeal Cancer, GBM | NA | NA | NA | NA | NA |
| **Duchnowska 2014**[29]Case report | Leg | BC | 4 years earlier | Systemic (dapsone, corticosteroids, cyclosporine, sufazalazine)Topic (detromycin ointment, silicon dressing, potassium permanganate) | Endocrine therapy (started 5 months after PG diagnosis), then surgery and adjuvant endocrine therapy (letrozole) | Continuous healing of PG (until complete response) in line with partial response of BC | Rheumatoid arthritis |
| **Shahi 2015**[30]Retrospective analysis | Lower extremity | Ileum (adenocarcinoma), new | 1 month before | Topic (tacrolimus) | Surgery | Complete response with tacrolimus  | None |
| Lower extremity | BC, new | 2 months before | Topic (tacrolimus, triamcinolone) + systemic (prednisone 60 mg) | Surgery | Complete response with therapy for PG | None |
| Lower extremity | CRC stage IV, new | Synchronous | Systemic (prednisone 80mg, minocycline, methylprednisolone 250mg) | Surgery  | Partial response with therapy for PG + K | Ulcerative colitis |
| Breast | BC, new | 1 month after | Systemic (prednisone 80mg, mycophenolate mofetil 2000mg, tetracycline 500mg) | Surgery + CT | Partial response with therapy for PG | None |
| Upper extremity | BC, recurrent | 3 months after | Topic (triamcinolone) + systemic /cyclosporine, prednisone 40 mg, IVIG 2g/kg) | Surgery + CT + RT | No response | None |
| **Mori 2015**[31]Case report | Chest and face (sites of surgery) | Melanoma  | 8 months after surgery |  | Surgery | Died (congestive heart failure) | None |
| **Miguel-Gomez 2015**[32]Case report | Peristoma | CRC | 6 months after surgery | Topic (tacrolimus ointment)Systemic (corticosteroids)Closure of the stoma | Surgery | Partial response | NA |
| **Turrion-Merino 2016**[33]Retrospective analysis | Peristoma | CRC | 22 weeks after surgery | Topic (tacrolimus ointment)Systemic (corticosteroid, azathioprine), closure of the stoma | Neoadjuvant RT, Surgery | No response to topic, partial response to systemic, complete response to closure of the stoma | None |
| **Jockenhofer 2016**[34]Retrospective analysis | NA | PC(3); Melanoma;BCC; Fibrosarcoma; GBM; BC; Cervix Cancer; Uterus Cancer; CRC (2)r; Lung Cancer | NA | NA | NA | NA | NA |
| **Patel 2017**[35]Case report | Breast | BC | Immediately after breast surgery | Systemic (corticosteroids, cyclosporine) | Surgery | Complete response(scar) | NA |
| Breast | BC | 11 days after breast surgery | Systemic (corticosteroids, cyclosporine; IVIG) | Surgery | Complete response(scar) | NA |
| Breast | BC | 8 days after breast surgery | Systemic (corticosteroids, cyclosporine) | Surgery | Complete response(scar) | NA |

List of abbreviation: BC, breast cancer; CRC, colorectal cancer; OC, ovarian cancer; PC prostate cancer; SCC, squamous cell carcinoma; GC, gastric cancer; GBM, glioblastoma multiforme; NSCLC, non-small cell lung cancer; HCC, hepatocellular carcinoma

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