Appendix

**PubMed**

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| Search  |  |
| #1 | (((renal cell carcinoma[mh]) OR (("renal cell"[tiab]) AND ((cancer\*[tiab] OR carcinoma\*[tiab] OR adenocarcinoma\*[tiab] OR chromophobe[tiab] OR sarcomatoid[tiab] OR papillary[tiab] OR chromophil[tiab] OR "clear cell"[tiab])))) OR ((("duct carcinoma\*"[tiab] AND collecting[tiab]) AND (renal[tiab] OR kidney[tiab])) OR ((((grawitz[tiab]) AND ((tumor\*[tiab] OR tumour\*[tiab]))) OR (hypernephroma\*[tiab] OR hyper-nephroma\*[tiab])) OR (hypernephroid[tiab] AND (carcinoma\*[tiab]OR cancer\*[tiab]))))) OR ((Kidney Neoplasms[mh]) OR ((kidney[tiab] OR renal[tiab]) AND (neoplasm\*[tiab] OR cancer\*[tiab] OR mass\*[tiab] OR neoplasia[tiab] OR neoplastic[tiab] OR tumor[tiab] OR tumour[tiab] OR tumoral[tiab] OR tumoural[tiab] OR tumorigenesis[tiab]))) |
| #2 | (((nephrectomy[mh]) OR (nephrectom\*[tiab] OR heminephrectom\*[tiab])) OR (kidney[tiab] OR (extirpation[tiab ] OR resection[tiab]))) AND (total[tiab] OR complete[tiab] OR radical[tiab]) |
| #3 | Search 1 AND Search 2 |
| #4 | (((((((((((((Atezolizumab[nm] OR Atezolizumab[tiab]) OR (anti-PDL1[tiab] OR MPDL3280A[tiab] OR "MPDL-3280A"[tiab] OR Tecentriq[tiab] OR RG7446 [tiab] OR "RG-7446"[tiab] OR tecentriq[tiab])) OR ((Axitinib[MH]) OR (Axitinib[tiab] OR "AG 013736"[tiab] OR AG013736[tiab] OR "AG-013736"[tiab] OR Inlyta))) OR (Cabozantinib[nm] OR cabozantinib[tiab] OR (Cometriq[tiab] OR "XL 184"[tiab] OR "XL-184"[tiab] OR "BMS 907351"[tiab] OR BMS907351[tiab] OR "BMS-907351"))) OR ((Durvalumab[nm] OR Durvalumab[tiab]) OR (MEDI4736[tiab] OR "MEDI-4736"[tiab] OR Imfinzi[tiab]))) OR (((Everolimus[mh] OR Everolimus[tiab]) OR ("SDZ RAD"[tiab] OR "SDZ-RAD"[tiab] OR "40-O-(2-hydroxyethyl)-rapamycin"[tiab] OR Certican[tiab] OR Afinitor[tiab] OR "RAD 001"[tiab] OR RAD001[tiab])) OR ("afinitor disperz"[tiab] OR votubia[tiab] OR zortress[tiab]))) OR ((("G250 monoclonal antibody" [nm] OR "G250 monoclonal antibody" [tiab]) OR ((mAb[tiab] AND (G250[tiab] OR cG250[tiab])) OR girentuximab[tiab])) OR ("cg 250"[tiab] OR cg250[tiab] OR rencarex[tiab] OR (wx[tiab] AND ("g 250"[tiab] OR g250[tiab]))))) OR (((Ipilimumab[mh] OR Ipilimumab[tiab]) OR ((Ipilimumab[tiab] AND ("Anti-CTLA-4 MAb"[tiab] OR Ipilimumab "Anti CTLA 4 MAb"[tiab])) OR Yervoy[tiab] OR "MDX 010"[tiab] OR MDX010[tiab] OR "MDX-010"[tiab] OR "MDX-CTLA-4"[tiab] OR "MDX CTLA 4"[tiab])) OR ("bms 734016"[tiab] OR "bms734016"[tiab] OR "mdx 101"[tiab] OR mdx101[tiab] OR yervoy[tiab]))) OR ((Nivolumab[mh] OR Nivolumab[tiab]) OR (Opdivo[tiab] OR "ONO-4538"[tiab] OR "ONO 4538"[tiab] OR ONO4538[tiab] OR "MDX-1106"[tiab] OR "MDX 1106"[tiab] OR MDX1106[tiab] OR "BMS-936558"[tiab] OR "BMS 936558"[tiab] OR BMS936558[tiab]))) OR ((Pazopanib[nm] OR Pazopanib[tiab]) OR (("GW786034B"[tiab] OR "Votrient"[tiab])))) OR (("pembrolizumab" [nm] OR "pembrolizumab" [tiab]) OR ("SCH-900475"[tiab] OR "sch 900475"[tiab] OR lambrolizumab[tiab] OR "MK-3475"[tiab] OR "mk 3475"[tiab] OR mk3475[tiab] OR Keytruda[tiab]))) OR ((Sorafenib[mh] OR "Sorafenib"[tiab]) OR (Nexavar[tiab] OR "BAY 43-9006"[tiab] OR "BAY 43 9006"[tiab]))) OR (((Sunitinib[mh] OR Sunitinib[tiab]) OR (Sutent[tiab] OR "SU 11248"[tiab] OR SU011248[tiab] OR "SU 011248"[tiab] OR "SU-011248"[tiab] OR SU11248[tiab] OR "SU-11248"[tiab])) OR ("su 011248"[tiab] OR "su 11248"[tiab] OR su011248[tiab]))) OR (((Tremelimumab[nm] OR Tremelimumab[tiab]) OR (ticilimumab[tiab] OR "CP 675"[tiab] OR "CP-675"[tiab] OR "CP-675,206"[tiab] OR "CP-675206"[tiab] OR CP675206[tiab] OR "CP 675206"[tiab])) OR ("cp 675 206"[tiab])) |
| #5 | Search 3 AND Search 4 |
| #6 | (Antibodies, Monoclonal[mh]) OR (monoclonal[tiab] AND antibod\*[tiab]) |
| #7 | Search 3 AND 6 |
| #8 | Search 5 OR Search 7 |
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EMBASE

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| Search |  |
| #1 | 'renal cell carcinoma'/exp OR ('renal cell':ab,ti AND (cancer\*:ab,ti OR carcinoma\*:ab,ti OR adenocarcinoma\*:ab,ti OR chromophobe:ab,ti OR sarcomatoid OR papillary:ab,ti OR chromophil OR 'clear cell':ab,ti)) OR ('duct carcinoma\*':ab,ti AND collecting:ab,ti AND (renal:ab,ti OR kidney:ab,ti)) OR (grawitz:ab,ti AND (tumor\*:ab,ti OR tumour\*:ab,ti)) OR hypernephroma\*:ab,ti OR 'hyper-nephroma\*':ab,ti OR (hypernephroid:ab,ti AND (carcinoma\*:ab,ti OR cancer\*:ab,ti)) OR 'kidney'/exp OR ((kidney:ab,ti OR renal:ab,ti) AND (neoplasm\*:ab,ti OR cancer\*:ab,ti OR mass\*:ab,ti OR neoplasia:ab,ti OR neoplastic:ab,ti OR tumor:ab,ti OR tumour:ab,ti OR tumoral:ab,ti OR tumoural:ab,ti OR tumorigenesis:ab,ti)) |
| #2 | 'nephrectomy'/exp OR nephrectom\*:ab,ti OR heminephrectom\*:ab,ti OR (kidney:ab,ti AND (extirpation:ab,ti OR resection:ab,ti)) |
| #3 | Search 1 AND Search 2 |
| #4 | ('atezolizumab'/exp OR atezolizumab:ab,ti OR 'anti-pdl1':ab,ti OR mpdl3280a:ab,ti OR rg7446:ti,ab OR 'rg 7446':ab,ti OR tecentriq:ab,ti OR 'axitinib'/exp OR axitinib:ab,ti OR 'ag 013736':ab,ti OR ag013736:ab,ti OR 'ag-013736':ab,ti OR inlyta:ab,ti OR 'cabozantinib'/exp OR cabozantinib:ab,ti OR cometriq:ab,ti OR 'xl 184':ab,ti OR 'xl-184':ab,ti OR 'bms 907351':ab,ti OR bms907351:ab,ti OR 'bms-907351':ab,ti OR 'durvalumab'/exp OR durvalumab:ab,ti OR medi4736:ab,ti OR 'medi-4736':ab,ti OR imfinzi:ab,ti OR 'everolimus'/exp OR everolimus:ab,ti OR 'sdz rad':ab,ti OR 'sdz-rad':ab,ti OR '40-o-(2-hydroxyethyl)-rapamycin':ab,ti OR certican:ab,ti OR afinitor:ab,ti OR 'rad 001':ab,ti OR rad001:ab,ti OR 'afinitor disperz':ab,ti OR votubia:ab,ti OR zortress:ab,ti OR 'girentuximab'/exp OR 'g250 monoclonal antibody':ab,ti OR (mab:ab,ti AND (g250:ab,ti OR cg250:ab,ti)) OR girentuximab:ab,ti OR 'cg 250':ab,ti OR cg250:ab,ti OR rencarex:ab,ti OR (wx:ab,ti AND ('g 250':ab,ti OR g250:ab,ti)) OR 'ipilimumab'/exp OR ipilimumab:ab,ti OR (ipilimumab:ab,ti AND ('anti-ctla-4 mab':ab,ti OR ipilimumab) AND 'anti ctla 4 mab':ab,ti) OR yervoy:ab,ti OR 'mdx 010':ab,ti OR mdx010:ab,ti OR 'mdx-010':ab,ti OR 'mdx-ctla-4':ab,ti OR 'mdx ctla 4':ab,ti OR 'bms 734016':ab,ti OR 'bms734016':ab,ti OR 'mdx 101':ab,ti OR 'nivolumab'/exp) AND nivolumab:ab,ti OR opdivo:ab,ti OR 'ono-4538':ab,ti OR 'ono 4538':ab,ti OR ono4538:ab,ti OR 'mdx-1106':ab,ti OR 'mdx 1106':ab,ti OR mdx1106:ab,ti OR 'bms-936558':ab,ti OR 'bms 936558':ab,ti OR bms936558:ab,ti OR 'pembrolizumab'/exp OR pembrolizumab:ab,ti OR 'sch-900475':ab,ti OR 'sch 900475':ab,ti OR lambrolizumab:ab,ti OR 'mk-3475':ab,ti OR 'mk 3475':ab,ti OR mk3475:ab,ti OR keytruda:ab,ti OR 'pazopanib'/exp OR pazopanib:ab,ti OR 'gw786034b':ab,ti OR 'votrient':ab,ti OR 'sorafenib'/exp OR sorafenib:ab,ti OR nexavar:ab,ti OR 'bay 43-9006':ab,ti OR 'bay 43 9006':ab,ti OR 'sunitinib'/exp OR sunitinib:ab,ti OR sutent:ab,ti OR 'su-011248':ab,ti OR su11248:ab,ti OR 'su-11248':ab,ti OR 'su 011248':ab,ti OR 'su 11248':ab,ti OR su011248:ab,ti OR 'ticilimumab'/exp OR tremelimumab:ab,ti OR ticilimumab:ab,ti OR 'cp 675':ab,ti OR 'cp-675':ab,ti OR 'cp-675,206':ab,ti OR 'cp-675206':ab,ti OR cp675206:ab,ti OR 'cp 675206':ab,ti OR 'cp 675 206':ab,ti |
| #5 | Search 3 AND Search 4 |
| #6 | 'monoclonal antibody'/exp OR 'monoclonal antibody':ab,ti OR (antibod\*:ab,ti AND (monoclonal:ab,ti OR humanized:ab,ti OR hybridoma:ab,ti)) |
| #7 | Search 3 AND Search 6 |
| #8 | Search 5 OR Search 7 |
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Scopus

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| Search |  |
| #1 | ((((TITLE-ABS-KEY("renal cell carcinoma") OR INDEXTERMS ("carcinoma, renal cell")) OR ((TITLE-ABS("renal cell") AND TITLE-ABS(cancer\*) OR TITLE-ABS(carcinoma\*) OR TITLE-ABS(adenocarcinoma\*) OR TITLE-ABS(chromophobe) OR TITLE-ABS(sarcomatoid) OR TITLE-ABS(papillary) OR TITLE-ABS(chromophil) OR TITLE-ABS("clear cell")))) OR (TITLE-ABS("duct carcinoma\*") AND TITLE-ABS(collecting) OR (TITLE-ABS(renal) OR TITLE-ABS(kidney)))) OR (TITLE-ABS(grawitz) AND (TITLE-ABS(tumor) OR TITLE-ABS(tumour)))) OR (TITLE-ABS(hypernephroma\*) OR TITLE-ABS("hyper-nephroma\*"))) OR ((TITLE-ABS(hypernephroid) AND (TITLE-ABS(carcinoma\*) OR TITLE-ABS(cancer\*))) OR (TITLE-ABS-KEY("kidney neoplasms")) OR ((TITLE-ABS(kidney) OR TITLE-ABS(renal)) AND (TITLE-ABS(neoplasm\*) OR TITLE-ABS(neoplasm\*) OR TITLE-ABS(mass\*))) OR (((TITLE-ABS(kidney) OR TITLE-ABS(renal))) AND (TITLE-ABS(neoplasm\*) OR TITLE-ABS(cancer\*) OR TITLE-ABS(mass\*) OR TITLE-ABS(neoplasia) OR TITLE-ABS(neoplastic) OR TITLE-ABS(tumor) OR TITLE-ABS(tumour) OR TITLE-ABS(tumoral) OR TITLE-ABS(tumoural) OR TITLE-ABS(tumorigenesis)))) |
| #2 | (TITLE-ABS-KEY(nephrectomy) OR TITLE-ABS(nephrectom\*) OR TITLE-ABS(heminephrectom\*)) OR (TITLE-ABS(kidney) AND (TITLE-ABS(extirpation) OR TITLE-ABS(resection))) |
| #3 | Search 1 AND Search 2 |
| #4 | ((TITLE-ABS-KEY(Atezolizumab) OR TITLE-ABS(Atezolizumab) OR TITLE-ABS("anti-PDL1") OR TITLE-ABS(MPDL3280A) OR TITLE-ABS("MPDL-3280A") OR TITLE-ABS(Tecentriq) OR TITLE-ABS(RG7446) OR TITLE-ABS("RG-7446") OR TITLE-ABS(tecentriq)) OR (TITLE-ABS-KEY(Axitinib) OR TITLE-ABS(Axitinib) OR TITLE-ABS("AG 013736") OR TITLE-ABS(AG013736) OR TITLE-ABS("AG-013736") OR TITLE-ABS(Inlyta)) OR (TITLE-ABS-KEY(Cabozantinib) OR TITLE-ABS(cabozantinib) OR TITLE-ABS(Cometriq) OR TITLE-ABS("XL 184") OR TITLE-ABS("XL-184") OR TITLE-ABS("BMS 907351") OR TITLE-ABS(BMS907351) OR TITLE-ABS("BMS-907351")) OR (TITLE-ABS-KEY(Durvalumab) OR TITLE-ABS(Durvalumab) OR TITLE-ABS(MEDI4736) OR TITLE-ABS("MEDI-4736") OR TITLE-ABS(Imfinzi)) OR (TITLE-ABS-KEY(Everolimus) OR TITLE-ABS(Everolimus) OR TITLE-ABS("SDZ RAD") OR TITLE-ABS("SDZ-RAD") OR TITLE-ABS("40-O-(2-hydroxyethyl)-rapamycin") OR TITLE-ABS(Certican) OR TITLE-ABS(Afinitor) OR TITLE-ABS("RAD 001") OR TITLE-ABS(RAD001) OR TITLE-ABS("afinitor disperz") OR TITLE-ABS(votubia) OR TITLE-ABS(zortress)) AND ((TITLE-ABS-KEY("G250 monoclonal antibody") OR TITLE-ABS("G250 monoclonal antibody") OR (TITLE-ABS(mAb) AND TITLE-ABS(G250))) OR (TITLE-ABS(cG250) OR TITLE-ABS-KEY(girentuximab) OR TITLE-ABS("cg 250") OR TITLE-ABS(cg250) OR TITLE-ABS(rencarex)) OR (TITLE-ABS(wx) AND TITLE-ABS("g 250"))) OR (TITLE-ABS-KEY(Ipilimumab) OR TITLE-ABS(Ipilimumab) OR ((TITLE-ABS(Ipilimumab) AND TITLE-ABS("Anti-CTLA-4 MAb")) OR TITLE-ABS-KEY(Ipilimumab "Anti CTLA 4 MAb")) OR TITLE-ABS(Yervoy) OR TITLE-ABS("MDX 010") OR TITLE-ABS(MDX010) OR TITLE-ABS("MDX-010") OR TITLE-ABS("MDX-CTLA-4") OR TITLE-ABS("MDX CTLA 4") OR TITLE-ABS("bms 734016") OR TITLE-ABS("bms734016") OR TITLE-ABS("mdx 101") OR TITLE-ABS(mdx101) OR TITLE-ABS(yervoy))) OR ((TITLE-ABS-KEY(Tremelimumab) OR TITLE-ABS(Tremelimumab) OR TITLE-ABS(ticilimumab) OR TITLE-ABS("CP 675") OR TITLE-ABS("CP-675") OR TITLE-ABS("CP-675,206") OR TITLE-ABS("CP-675206") OR TITLE-ABS(CP675206) OR TITLE-ABS("CP 675206") OR TITLE-ABS("cp 675 206")) OR (TITLE-ABS-KEY(Sunitinib) OR TITLE-ABS(Sunitinib) OR TITLE-ABS(Sutent) OR TITLE-ABS("SU 11248") OR TITLE-ABS(SU011248) OR TITLE-ABS("SU 011248") OR TITLE-ABS("SU-011248") OR TITLE-ABS(SU11248) OR TITLE-ABS("SU-11248") OR TITLE-ABS("su 011248") OR TITLE-ABS("su 11248") OR TITLE-ABS(su011248)) OR (TITLE-ABS-KEY(Sorafenib) OR TITLE-ABS(Sorafenib) OR TITLE-ABS(Nexavar) OR TITLE-ABS("BAY 43-9006") OR TITLE-ABS("BAY 43 9006")) OR (TITLE-ABS-KEY(pembrolizumab) OR TITLE-ABS(pembrolizumab) OR TITLE-ABS("SCH-900475") OR TITLE-ABS("sch 900475") OR TITLE-ABS(lambrolizumab) OR TITLE-ABS("MK-3475") OR TITLE-ABS("mk 3475") OR TITLE-ABS(mk3475) OR TITLE-ABS(Keytruda)) OR (TITLE-ABS-KEY(Pazopanib) OR TITLE-ABS(Pazopanib) OR TITLE-ABS("GW786034B") OR TITLE-ABS("Votrient")) OR (TITLE-ABS-KEY(Nivolumab) OR TITLE-ABS(Nivolumab) OR TITLE-ABS(Opdivo) OR TITLE-ABS("ONO-4538") OR TITLE-ABS("ONO 4538") OR TITLE-ABS(ONO4538) OR TITLE-ABS("MDX-1106") OR TITLE-ABS("MDX 1106") OR TITLE-ABS(MDX1106) OR TITLE-ABS("BMS-936558") OR TITLE-ABS("BMS 936558") OR TITLE-ABS(BMS936558))) |
| #5 | Search 3 AND Search 4 |
| #6 | (TITLE-ABS(antibod\*) AND TITLE-ABS(monoclonal) OR TITLE-ABS(humanized) OR TITLE-ABS(hybridoma)) OR (TITLE-ABS-KEY( "Monoclonal Antibodies") OR TITLE-ABS("Monoclonal Antibodies")) |
| #7 | Search 3 AND Search 6 |
| #8 | Search 5 OR Search 7 |
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