Supplementary materials

| Source: PubMed (Searched on: 5 June 2018) |  |  |
| :---: | :---: | :---: |
| Search | Query | Items <br> found |
| \#118 | Search \#117 AND \#95 AND \#93 <br> Search \#96 OR \#97 OR \#98 OR \#99 OR \#100 OR \#101 OR \#102 | 249 |
| \#117 | $\begin{aligned} & \text { OR \#103 OR \#104 OR \#105 OR \#106 OR \#107 OR \#108 OR } \\ & \text { \#109 OR \#110 OR \#111 OR \#112 OR \#113 OR \#114 OR \#115 } \\ & \text { OR \#116 } \end{aligned}$ | 1194648 |
| \#116 | Search tripleblind*[Title/Abstract] | 3 |
| \#115 | Search trebleblind*[Title/Abstract] | 0 |
| \#114 | Search doubleblind*[Title/Abstract] | 227 |
| \#113 | Search singleblind*[Title/Abstract] | 14 |
| \#112 | Search blind*[Title/Abstract] | 266997 |
| \#111 | Search random*[Title/Abstract] | 978600 |
| \#110 | Search "Double-Blind Method"[Mesh] | 145896 |
| \#109 | Search "Single-Blind Method"[Mesh] | 25194 |
| \#108 | Search "Pragmatic Clinical Trials as Topic"[Title/Abstract] | 4 |
| \#107 | Search "Randomized Controlled Trials"[Publication Type] | 0 |
| \#106 | Search "Controlled Clinical Trials"[Publication Type] | 0 |
| \#105 | Search "Clinical Trials, Phase IV"[Publication Type] | 0 |
| \#104 | Search "Clinical Trials, Phase III"[Publication Type] | 0 |
| \#103 | Search "Clinical Trials, Phase II"[Publication Type] | 0 |
| \#102 | Search "Pragmatic Clinical Trials as Topic"[Mesh] | 188 |
| \#101 | Search "Intention to Treat Analysis"[Mesh] | 2048 |
| \#100 | Search "Randomized Controlled Trials as Topic"[Mesh] | 118445 |
| \#99 | Search "Controlled Clinical Trials as Topic"[Mesh] | 123315 |
| \#98 | Search "Clinical Trials, Phase IV as Topic"[Mesh] | 267 |
| \#97 | Search "Clinical Trials, Phase III as Topic"[Mesh] | 8231 |
| \#96 | Search "Clinical Trials, Phase II as Topic"[Mesh] | 7024 |
| \#95 | Search \#5 OR \#9 OR \#18 OR \#29 OR \#32 OR \#40 OR \#49 OR \#56 | 8941 |
| \#94 | Search \#57 OR \#58 OR \#59 OR \#60 OR \#61 OR \#62 OR \#63 OR \#64 OR \#65 OR \#66 OR \#67 OR \#68 OR \#69 OR \#70 OR \#71 OR \#72 OR \#73 OR \#74 OR \#75 OR \#76 OR \#77 OR \#78 OR \#79 OR \#80 OR \#81 OR \#82 OR \#83 OR \#84 OR \#85 OR \#86 OR \#87 OR \#88 OR \#89 OR \#90 OR \#91 OR \#92 OR \#93 | 335222 |
| \#93 | Search "Mammary Neoplasm, Human"[Title/Abstract] | 0 |
| \#92 | Search "Neoplasms, Human Mammary"[Title/Abstract] | 0 |
| \#91 | Search "Neoplasm, Human Mammary"[Title/Abstract] | 0 |
| \#90 | Search "Human Mammary Neoplasms"[Title/Abstract] | 4 |
| \#89 | Search "Human Mammary Neoplasm"[Title/Abstract] | 0 |
| \#88 | Search "Mammary Neoplasms, Human"[Title/Abstract] | 0 |
| \#87 | Search "Mammary Carcinomas, Human"[Title/Abstract] | 0 |
| \#86 | Search "Human Mammary Carcinomas"[Title/Abstract] | 155 |


| \#85 | Search "Carcinomas, Human Mammary"[Title/Abstract] | 0 |
| :---: | :---: | :---: |
| \#84 | Search "Carcinoma, Human Mammary"[Title/Abstract] | 0 |
| \#83 | Search "Mammary Carcinoma, Human"[Title/Abstract] | 0 |
| \#82 | Search "Carcinomas, Breast"[Title/Abstract] | 0 |
| \#81 | Search "Carcinoma, Breast"[Title/Abstract] | 1 |
| \#80 | Search "Breast Carcinomas"[Title/Abstract] | 7831 |
| \#79 | Search "Breast Carcinoma"[Title/Abstract] | 23270 |
| \#78 | Search "Cancer of Breast"[Title/Abstract] | 98 |
| \#77 | Search "Breast Malignant Tumors"[Title/Abstract] | 17 |
| \#76 | Search "Breast Malignant Tumor"[Title/Abstract] | 10 |
| \#75 | Search "Malignant Tumor of Breast"[Title/Abstract] | 3 |
| \#74 | Search "Breast Malignant Neoplasms"[Title/Abstract] | 2 |
| \#73 | Search "Breast Malignant Neoplasm"[Title/Abstract] | 2 |
| \#72 | Search "Malignant Neoplasm of Breast"[Title/Abstract] | 3 |
| \#71 | Search "Mammary Cancers"[Title/Abstract] | 426 |
| \#70 | Search "Cancers, Mammary"[Title/Abstract] | 0 |
| \#69 | Search "Cancer, Mammary"[Title/Abstract] | 3 |
| \#68 | Search "Mammary Cancer"[Title/Abstract] | 2993 |
| \#67 | Search "Cancer of the Breast"[Title/Abstract] | 2778 |
| \#66 | Search "Cancer, Breast"[Title/Abstract] | 10 |
| \#65 | Search "Breast Cancer"[Title/Abstract] | 235278 |
| \#64 | Search "Neoplasm, Breast"[Title/Abstract] | 1 |
| \#63 | Search "Breast Neoplasm"[Title/Abstract] | 597 |
| \#62 | Search "Neoplasms, Breast"[Title/Abstract] | 0 |
| \#61 | Search "Tumor, Breast"[Title/Abstract] | 1 |
| \#60 | Search "Breast Tumor"[Title/Abstract] | 8653 |
| \#59 | Search "Breast Tumors"[Title/Abstract] | 10255 |
| \#58 | Search "Tumors, Breast"[Title/Abstract] | 1 |
| \#57 | Search "Breast Neoplasms"[Mesh] | 263603 |
| \#56 | Search \#50 OR \#51 OR \#52 OR \#53 OR \#54 OR \#55 | 299 |
| \#55 | Search "PD-0332991"[Title/Abstract] | 75 |
| \#54 | Search "PD0332991"[Title/Abstract] | 65 |
| \#53 | Search "PD 0332991"[Title/Abstract] | 75 |
| \#52 | Search "Ibrance"[Title/Abstract] | 14 |
| \#51 | Search <br> "6-acetyl-8-cyclopentyl-5-methyl-2-(5-piperazin-1-ylpyridin-2-yla <br> mino)-8H-pyrido(2,3-d)pyrimidin-7-one"[Title/Abstract] | 0 |
| \#50 | Search "palbociclib" [Supplementary Concept] | 245 |
| \#49 | Search \#41 OR \#42 OR \#43 OR \#44 OR \#45 OR \#46 OR \#47 OR \#48 | 3368 |
| \#48 | Search "Faslodex"[Title/Abstract] | 214 |
| \#47 | Search "ZM-182780"[Title/Abstract] | 18 |
| \#46 | Search "ZM 182780"[Title/Abstract] | 18 |
| \#45 | Search "ICI-182780"[Title/Abstract] | 456 |


| \#44 | Search "ICI 182,780"[Title/Abstract] | 1767 |
| :---: | :---: | :---: |
| \#43 | Search "ICI 182780"[Title/Abstract] | 456 |
|  | Search |  |
| \#42 | "7-(9-(4,4,5,5,5-pentafluoropentylsulfinyl)nonyl)estra-1,3,5(10)-tri ene-3,17-diol"[Title/Abstract] | 0 |
| \#41 | Search "fulvestrant" [Supplementary Concept] | 2123 |
| \#40 | Search Search \#33 OR \#34 OR \#35 OR \#36 OR \#37 OR \#38 OR \#39 | 819 |
| \#39 | Search Zactima[Title/Abstract] | 38 |
| \#38 | Search vandetanib[Title/Abstract] | 603 |
| \#37 | Search "ZD-6474"[Title/Abstract] | 10 |
| \#36 | Search "ZD6474"[Title/Abstract] | 190 |
| \#35 | Search "ZD 6474"[Title/Abstract] | 10 |
| \#34 | Search caprelsa[Title/Abstract] | 12 |
|  | Search |  |
| \#33 | "N-(4-bromo-2-fluorophenyl)-6-methoxy-7-((1-methylpiperidin-4-yl)methoxy)quinazolin-4-amine" [Supplementary Concept] | 458 |
| \#32 | Search \#30 OR \#31 | 68 |
| \#31 | Search LEE011[Title/Abstract] | 38 |
| \#30 | Search "ribociclib" [Supplementary Concept] | 50 |
| \#29 | $\begin{aligned} & \text { Search \#19 OR \#20 OR \#21 OR \#22 OR \#23 OR \#24 OR \#25 OR } \\ & \text { \#26 OR \#27 OR \#28 } \end{aligned}$ | 4057 |
| \#28 | Search "Certican"[Title/Abstract] | 70 |
| \#27 | Search "Afinitor"[Title/Abstract] | 53 |
| \#26 | Search "RAD001"[Title/Abstract] | 478 |
| \#25 | Search "001, RAD"[Title/Abstract] | 2 |
| \#24 | Search "RAD 001"[Title/Abstract] | 32 |
| \#23 | Search "40-O-(2-hydroxyethyl)-rapamycin"[Title/Abstract] | 25 |
| \#22 | Search "SDZ-RAD"[Title/Abstract] | 66 |
| \#21 | Search "RAD, SDZ"[Title/Abstract] | 0 |
| \#20 | Search " SDZ RAD"[Title/Abstract] | 66 |
| \#19 | Search "Everolimus"[Mesh] | 3838 |
| \#18 | Search \#10 OR \#11 OR \#12 OR \#13 OR \#14 OR \#15 OR \#16 OR \#17 | 165 |
| \#17 | Search "CHIR-258"[Title/Abstract] | 11 |
| \#16 | Search "CHIR258"[Title/Abstract] | 5 |
| \#15 | Search "CHIR 258"[Title/Abstract] | 11 |
| \#14 | Search "dovitinib"[Title/Abstract] | 122 |
| \#13 | Search "TKI-258"[Title/Abstract] | 10 |
| \#12 | Search TKI258[Title/Abstract] | 50 |
| \#11 | Search "TKI 258"[Title/Abstract] | 10 |
|  | Search |  |
| \#10 | "4-amino-5-fluoro-3-(5-(4-methylpiperazin-1-yl)-1H-benzimidazol -2-yl)quinolin-2(1H)-one" [Supplementary Concept] | 96 |


| \#9 | Search \#6 OR \#7 OR \#8 | 248 |
| :--- | :--- | :--- |
| \#8 | Search BKM120[Title/Abstract] | 169 |
| \#7 | Search buparlisib[Title/Abstract] | 78 |
| \#6 | Search "NVP-BKM120" [Supplementary Concept] | 135 |
| $\# 5$ | Search \#1 OR \#2 OR \#3 OR \#4 | 104 |
| $\# 4$ | Search LY2385219[Title/Abstract] | 0 |
| $\# 3$ | Search LY2835210[Title/Abstract] | 0 |
| \#2 | Search abemaciclib[Title/Abstract] | 97 |
|  | Search |  |
| \#1 | "5-(4-ethylpiperazin-1-ylmethyl)pyridin-2-yl)-(5-fluoro-4-(7-fluor |  |
|  | o-3-isopropyl-2-methyl-3H-benzimidazol-5-yl)pyrimidin-2-yl)ami | 34 |
|  | ne" [Supplementary Concept] |  |


| Source: EMBASE (Searched on: 5 June 2018) |  |  |
| :---: | :---: | :---: |
| No. | Query | Results |
| \#151 | \#125 AND \#135 AND \#150 | 1814 |
| \#150 | $\begin{aligned} & \text { \#136 OR \#137 OR \#138 OR \#139 OR \#140 OR \#141 OR \#142 OR \#143 } \\ & \text { OR \#144 OR \#145 OR \#146 OR \#147 OR \#148 OR \#149 } \end{aligned}$ | 1605765 |
| \#149 | 'tripleblind*':ab,ti | 7 |
| \#148 | 'trebleblind*':ab,ti | 0 |
| \#147 | 'doubleblind*': ab, ti | 2801 |
| \#146 | 'singleblind*':ab,ti | 227 |
| \#145 | 'blind*':ab,ti | 369624 |
| \#144 | 'random*':ab,ti | 1293251 |
| \#143 | 'double blind procedure'/exp | 149249 |
| \#142 | 'single blind procedure'/exp | 31422 |
| \#141 | 'randomized controlled trial (topic)'/exp | 142073 |
| \#140 | 'controlled clinical trial (topic)'/exp | 147995 |
| \#139 | 'phase 4 clinical trial (topic)'/exp | 1374 |
| \#138 | 'phase 3 clinical trial (topic)'/exp | 31042 |
| \#137 | 'phase 2 clinical trial (topic)'/exp | 30556 |
| \#136 | 'multicenter study (topic)'/exp | 26177 |
| \#135 | $\begin{aligned} & \text { \#126 OR \#127 OR \#128 OR \#129 OR \#130 OR \#131 OR \#132 OR \#133 } \\ & \text { OR \#134 } \end{aligned}$ | 412000 |
| \#134 | 'mammary gland cancer': ab, ti | 205 |
| \#133 | 'mammary cancer':ab,ti | 3767 |
| \#132 | 'mamma cancer':ab,ti | 18 |
| \#131 | 'cancer, breast':ab,ti | 2639 |
| \#130 | 'breast gland neoplasm':ab,ti | 0 |
| \#129 | 'breast gland cancer':ab,ti | 0 |
| \#128 | 'breast cancer recurrence':ab,ti | 2121 |
| \#127 | 'advanced breast cancer': ab, ti | 11292 |
| \#126 | 'breast cancer'/exp | 408502 |
| \#125 | \#9 OR \#26 OR \#44 OR \#58 OR \#77 OR \#88 OR \#108 OR \#124 | 37127 |
| \#124 | \#109 OR \#110 OR \#111 OR \#112 OR \#113 OR \#114 OR \#115 OR \#116 OR \#117 OR \#118 OR \#119 OR \#120 OR \#121 OR \#122 OR \#123 | 22992 |
| \#123 | 'everolimus'/exp | 22934 |
| \#122 | 'zortress':ab,ti | 5 |
| \#121 | 'votubia':ab,ti | 5 |
| \#120 | 'sdz rad':ab,ti | 67 |
| \#119 | 'rad001a':ab,ti | 0 |
| \#118 | 'rad001':ab,ti | 1041 |
| \#117 | 'rad 001a':ab,ti | 0 |
| \#116 | 'rad 001':ab,ti | 55 |
| \#115 | 'nvp rad001':ab,ti | 2 |


| \#114 | 'nvp rad 001':ab,ti | 0 |
| :---: | :---: | :---: |
| \#113 | 'certican':ab,ti | 122 |
| \#112 | 'afinitor disperz':ab,ti | 0 |
| \#111 | 'afinitor':ab,ti | 104 |
| \#110 | 'affinitor':ab,ti | 4 |
| \#109 | '40 o (2 hydroxyethyl) rapamycin':ab,ti <br> \#89 OR \#90 OR \#91 OR \#92 OR \#93 OR \#94 OR \#95 OR \#96 OR \#97 | 28 |
| \#108 | $\begin{aligned} & \text { OR \#98 OR \#99 OR \#100 OR \#101 OR \#102 OR \#103 OR \#104 OR } \\ & \text { \#105 OR \#106 OR \#107 } \end{aligned}$ | 1919 |
| \#107 | 'pf00080665-73':ab,ti | 0 |
| \#106 | 'pf00080665 73':ab,ti | 0 |
| \#105 | 'pf 00080665-73':ab,ti | 0 |
| \#104 | 'pf 0008066573 ':ab,ti | 0 |
| \#103 | 'pd332991':ab,ti | 9 |
| \#102 | 'pd0332991-0054':ab,ti | 0 |
| \#101 | 'pd0332991 0054':ab,ti | 0 |
| \#100 | 'pd0332991':ab,ti | 131 |
| \#99 | 'pd 332991':ab,ti | 3 |
| \#98 | 'pd 0332991-0054':ab,ti | 0 |
| \#97 | 'pd 03329910054 ':ab,ti | 0 |
| \#96 | 'pd 0332991':ab,ti | 206 |
| \#95 | 'palbociclib isethionate':ab,ti | 0 |
| \#94 | 'ibrance':ab,ti | 29 |
| \#93 | '6 acetyl 8 cyclopentyl 5 methyl 2 [[5 (piperazin 1 yl ) pyridin 2 yl$]$ amino] pyrido [2, 3 d ] pyrimidin 7 ( 8 h ) one':ab,ti | 1 |
| \#92 | '6 acetyl 8 cyclopentyl 5 methyl 2 [[5 (1 piperazinyl) 2 pyridinyl] amino] pyrido [2, 3 d$]$ pyrimidin 7 (8h) one':ab,ti | 0 |
| \#91 | '6 acetyl 8 cyclopentyl 5 methyl 2 [5 (piperazin 1 yl) pyridin 2 ylamino] 8 h pyrido [2, 3 d ] pyrimidin 7 one': ab,ti | 0 |
| \#90 | '6 acetyl 8 cyclopentyl 5 methyl 2 [5 (1 piperazinyl) 2 pyridinylamino] 8 h pyrido [2, 3 d ] pyrimidin 7 one': ab,ti | 0 |
| \#89 | 'palbociclib'/exp | 1910 |
| \#88 | \#78 OR \#79 OR \#80 OR \#81 OR \#82 OR \#83 OR \#84 OR \#85 OR \#86 OR \#87 | 4098 |
| \#87 | 'zd6474':ab,ti | 240 |
| \#86 | 'zd 6474':ab,ti | 17 |
| \#85 | 'zactima':ab,ti | 57 |
| \#84 | 'vandetinib':ab,ti | 22 |
| \#83 | 'n (4 bromo 2 fluorophenyl) 6 methoxy 7 (1 methylpiperidin 4 ylmethoxy) quinazolin 4 amine':ab,ti | 0 |

\#51 'ici182780':ab,ti236
\#50 'ici 182780':ab,ti ..... 530
\#49 'ici 182, 780':ab,ti ..... 2274
\#48 'ici 182780 ':ab,ti ..... 2274
'faslodex':ab,ti ..... 307
piperidinylmethoxy) 4 quinazolinamine': ab,ti
'caprelsa':ab,ti
0
'azd6474':ab,ti24'azd 6474':ab,ti0'vandetanib'/exp0
\#59 OR \#60 OR \#61 OR \#62 OR \#63 OR \#64 OR \#65 OR \#66 OR \#67OR \#68 OR \#69 OR \#70 OR \#71 OR \#72 OR \#73 OR \#74 OR \#75 OR545
\#76'ribociclib succinate':ab,ti0
'ribociclib butanedioate':ab,ti ..... 0
'lee11bba':ab,ti ..... 0
'lee11a':ab,ti ..... 0
'lee11':ab,ti ..... 0
'lee011bba':ab,ti ..... 0
'lee011a':ab,ti ..... 0
'lee011':ab,ti ..... 111
'lee 11bba':ab,ti ..... 0
'lee 11a':ab,ti ..... 0
'lee 11':ab,ti ..... 1
'lee 011 bba ':ab,ti ..... 0
lee 011a':ab,ti ..... 0
'lee 011':ab,ti ..... 2
'kisqali':ab,ti ..... 8
'7 cyclopentyl n, n dimethyl 2 [[5 (piperazin 1 yl) pyridin 2 yl$]$ amino] 7 hpyrrolo [2, 3 d ] pyrimidine 6 carboxamide': ab,ti'7 cyclopentyl n, n dimethyl 2 [[5 (1 piperazinyl) 2 pyridinyl] amino] 7 hpyrrolo [2, 3 d ] pyrimidine 6 carboxamide':ab,ti
'ribociclib'/exp ..... 528\#45 OR \#46 OR \#47 OR \#48 OR \#49 OR \#50 OR \#51 OR \#52 OR \#53OR \#54 OR \#55 OR \#56 OR \#57
'zm182780':ab,ti ..... 0
'zm 182780':ab,ti ..... 18
'zd9238':ab,ti ..... 0
'zd182780':ab,ti ..... 0
'zd 9238':ab,ti ..... 0
'zd 182780':ab,ti ..... 0
'7alpha $[9(4,4,5,5,5$ pentafluoropentylsulfinyl) nonyl] estra 1, 3, 5 (10) triene 3, 17beta diol': ab,ti
'fulvestrant'/exp7511
\#36 OR \#37 OR \#38 OR \#39 OR \#40 OR \#41 OR \#42 OR \#43 ..... 904
'tki258':ab,ti ..... 116
'tki 258':ab,ti ..... 26
'dovitinib lactate':ab,ti ..... 5
'chir258':ab,ti ..... 8
'chir 258':ab,ti ..... 15
'4 amino 5 fluoro 3 [6 (4 methylpiperazin 1 yl ) 1h benzimidazol 2 yl ]quinolin 2 (1h) one':ab,ti'4 amino 5 fluoro 3 [6 (4 methyl 1 piperazinyl) 1h benzimidazol 2 yl] 2(1h) quinolinone':ab,ti'dovitinib'/exp888
\#27 OR \#28 OR \#29 OR \#30 OR \#31 OR \#32 OR \#33 OR \#34 ..... 904
'tki258':ab,ti ..... 116
'tki 258':ab,ti ..... 26
'dovitinib lactate':ab,ti ..... 5
'chir258':ab,ti ..... 8
'chir 258':ab,ti ..... 15
'4 amino 5 fluoro 3 [6 (4 methylpiperazin 1 yl ) 1h benzimidazol 2 yl ] ..... 0quinolin 2 (1h) one':ab,ti'4 amino 5 fluoro 3 [6 (4 methyl 1 piperazinyl) 1h benzimidazol 2 yl] 2(1h) quinolinone':ab,ti'dovitinib'/exp888
\#10 OR \#11 OR \#12 OR \#13 OR \#14 OR \#15 OR \#16 OR \#17 OR \#18OR \#19 OR \#20 OR \#21 OR \#22 OR \#23 OR \#24 OR \#25'nvp bkm120':ab,ti106
'nvp bkm 120':ab,ti ..... 9
'buparlisib hydrochloride':ab,ti ..... 0
'bkm120nx':ab,ti ..... 0
'bkm120aaa':ab,ti ..... 0
'bkm120 nx':ab,ti ..... 0
'bkm120 aaa':ab,ti ..... 0
'bkm120':ab,ti ..... 528
'bkm 120nx':ab,ti ..... 0
'bkm 120aaa':ab,ti ..... 0
'bkm 120 nx':ab,ti ..... 0
'bkm 120 aaa':ab,ti ..... 0
'bkm 120':ab,ti ..... 63
'5 [2, 6 bis (morpholin 4 yl ) pyrimidin 4 yl$] 4$ (trifluoromethyl) pyridin 2 ..... 0amine':ab,ti

| \#11 | '5 (2, 6 dimorpholino 4 pyrimidinyl) 4 (trifluoromethyl) 2 pyridinamine': ab,ti | 0 |
| :---: | :---: | :---: |
| \#10 | 'buparlisib'/exp | 1358 |
| \#9 | \#1 OR \#2 OR \#3 OR \#4 OR \#5 OR \#6 OR \#7 OR \#8 | 415 |
| \#8 | ' n [5 [(4 ethylpiperazin 1 yl$)$ methyl] pyridin 2 yl$] 5$ fluoro 4 [4 fluoro 2 methyl 1 (propan 2 yl ) 1 h benzimidazol 6 yl$]$ pyrimidin 2 amine':ab,ti | 0 |
| \#7 | 'n [5 [(4 ethylpiperazin 1 yl$)$ methyl] pyridin 2 yl$] 5$ fluoro 4 [4 fluoro 2 methyl 1 ( 1 methylethyl) 1h benzimidazol 6 yl ] pyrimidin 2 amine':ab,ti | 0 |
| \#6 | 'n [5 [(4 ethyl 1 piperazinyl) methyl] 2 pyridinyl] 5 fluoro 4 [4 fluoro 2 methyl 1 (1 methylethyl) 1h benzimidazol 6 yl] 2 pyrimidinamine':ab,ti | 0 |
| \#5 | 'n [5 [(4 ethyl 1 piperazinyl) methyl] 2 pyridinyl] 5 fluoro 4 (4 fluoro 1 isopropyl 2 methyl 1 h benzimidazol 6 yl$) 2$ pyrimidinamine':ab,ti | 0 |
| \#4 | 'ly2835219':ab,ti | 56 |
| \#3 | 'ly 2835219':ab,ti | 0 |
| \#2 | 'bemaciclib':ab,ti | 0 |
| \#1 | 'abemaciclib'/exp | 407 |

Source: Cochrane Library (Searched on: 5 June 2018)

| No. | Query |
| :---: | :---: |
| \#1 | abemaciclib:ti,ab,kw (Word variations have been searched) |
| \#2 | LY2835210:ti, ab,kw (Word variations have been searched) |
| \#3 | LY2385219:ti, ab,kw (Word variations have been searched) |
| \#4 | \#1 or \#2 or \#3 |
| \#5 | "NVP-BKM120":ti,ab,kw (Word variations have been searched) |
| \#6 | buparlisib:ti,ab,kw (Word variations have been searched) |
| \#7 | BKM120:ti,ab,kw (Word variations have been searched) |
| \#8 | \#5 or \#6 or \#7 |
| \#9 | "4-amino-5-fluoro-3-(5-(4-methylpiperazin-1-yl)-1H-benzimidazol-2-yl)quinolin-2(1H)-one <br> ":ti,ab,kw (Word variations have been searched) |
| \#10 | "TKI 258":ti,ab,kw (Word variations have been searched) |
| \#11 | TKI258:ti,ab,kw (Word variations have been searched) |
| \#12 | "TKI-258":ti,ab,kw (Word variations have been searched) |
| \#13 | dovitinib:ti,ab,kw (Word variations have been searched) |
| \#14 | "CHIR 258":ti,ab,kw (Word variations have been searched) |
| \#15 | CHIR258:ti,ab,kw (Word variations have been searched) |
| \#16 | "CHIR-258":ti,ab,kw (Word variations have been searched) |
| \#17 | \#9 or \#10 or \#11 or \#12 or \#13 or \#14 or \#15 or \#16 |
| \#18 | MeSH descriptor: [Everolimus] explode all trees |
| \#19 | "SDZ RAD":ti,ab,kw (Word variations have been searched) |
| \#20 | "RAD, SDZ":ti,ab,kw (Word variations have been searched) |
| \#21 | "SDZ-RAD":ti,ab,kw (Word variations have been searched) |
| \#22 | "40-O-(2-hydroxyethyl)-rapamycin":ti,ab,kw (Word variations have been searched) |
| \#23 | "RAD 001":ti,ab,kw (Word variations have been searched) |
| \#24 | "001, RAD":ti,ab,kw (Word variations have been searched) |
| \#25 | "RAD001":ti,ab,kw (Word variations have been searched) |
| \#26 | "Afinitor":ti,ab,kw (Word variations have been searched) |
| \#27 | "Certican":ti,ab,kw (Word variations have been searched) |
| \#28 | \#18 or \#19 or \#20 or \#21 or \#22 or \#23 or \#24 or \#25 or \#26 or \#27 |

```
#29 ribociclib:ti,ab,kw (Word variations have been searched)
#30 LEE011:ti,ab,kw (Word variations have been searched)
#31 #29 or #30
    "N-(4-bromo-2-fluorophenyl)-6-methoxy-7-((1-methylpiperidin-4-yl)methoxy)quinazolin-4-amin
    e ":ti,ab,kw (Word variations have been searched)
#33 caprelsa:ti,ab,kw (Word variations have been searched)
#34 "ZD 6474":ti,ab,kw (Word variations have been searched)
#35 ZD6474:ti,ab,kw (Word variations have been searched)
#36 "ZD-6474":ti,ab,kw (Word variations have been searched)
#37 "vandetanib":ti,ab,kw (Word variations have been searched)
#38 "Zactima":ti,ab,kw (Word variations have been searched)
#39 #32 or #33 or #34 or #35 or #36 or #37 or #38
#40 fulvestrant:ti,ab,kw (Word variations have been searched)
    "7-(9-(4,4,5,5,5-pentafluoropentylsulfinyl)nonyl)estra-1,3,5(10)-triene-3,17-diol":ti,ab,kw
    (Word variations have been searched)
#42 "ICI 182780":ti,ab,kw (Word variations have been searched)
#43 "ICI 182,780":ti,ab,kw (Word variations have been searched)
#44 "ICI-182780":ti,ab,kw (Word variations have been searched)
#45 "ZM 182780":ti,ab,kw (Word variations have been searched)
#46 "ZM-182780":ti,ab,kw (Word variations have been searched)
#47 "Faslodex":ti,ab,kw (Word variations have been searched)
#48 #40 or #41 or #42 or #43 or #44 or #45 or #46 or #47
#49 palbociclib:ti,ab,kw (Word variations have been searched)
    "6-acetyl-8-cyclopentyl-5-methyl-2-(5-piperazin-1-ylpyridin-2-ylamino)-8H-pyrido(2,3-d)py
    rimidin-7-one":ti,ab,kw (Word variations have been searched)
#51 "Ibrance":ti,ab,kw (Word variations have been searched)
#52 "PD 0332991":ti,ab,kw (Word variations have been searched)
#53 "PD0332991":ti,ab,kw (Word variations have been searched)
#54 "PD-0332991":ti,ab,kw (Word variations have been searched)
#55 #49 or #50 or #51 or #52 or #53 or #54
#56 #4 or #8 or #17 or #28 or #31 or #39 or #48 or #55
#57 MeSH descriptor: [Breast Neoplasms] explode all trees
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```
#58 "Tumors, Breast":ti,ab,kw (Word variations have been searched)
#59 "Breast Tumors":ti,ab,kw (Word variations have been searched)
#60 "Breast Tumor":ti,ab,kw (Word variations have been searched)
#61 "Tumor, Breast":ti,ab,kw (Word variations have been searched)
#62 "Neoplasms, Breast":ti,ab,kw (Word variations have been searched)
#63 "Breast Neoplasm":ti,ab,kw (Word variations have been searched)
#64 "Neoplasm, Breast":ti,ab,kw (Word variations have been searched)
#65 "Breast Cancer":ti,ab,kw (Word variations have been searched)
#66 "Cancer, Breast":ti,ab,kw (Word variations have been searched)
#67 "Cancer of the Breast":ti,ab,kw (Word variations have been searched)
#68 "Mammary Cancer":ti,ab,kw (Word variations have been searched)
#69 "Cancer, Mammary":ti,ab,kw (Word variations have been searched)
#70 "Cancers, Mammary":ti,ab,kw (Word variations have been searched)
#71 "Mammary Cancers":ti,ab,kw (Word variations have been searched)
#72 "Malignant Neoplasm of Breast":ti,ab,kw (Word variations have been searched)
#73 "Breast Malignant Neoplasm":ti,ab,kw (Word variations have been searched)
#74 "Breast Malignant Neoplasms":ti,ab,kw (Word variations have been searched)
#75 "Malignant Tumor of Breast":ti,ab,kw (Word variations have been searched)
#76 "Breast Malignant Tumor":ti,ab,kw (Word variations have been searched)
#77 "Breast Malignant Tumors":ti,ab,kw (Word variations have been searched)
#78 "Cancer of Breast":ti,ab,kw (Word variations have been searched)
#79 "Breast Carcinoma":ti,ab,kw (Word variations have been searched)
#80 "Breast Carcinomas":ti,ab,kw (Word variations have been searched)
#81 "Carcinoma, Breast":ti,ab,kw (Word variations have been searched)
#82 "Carcinomas, Breast":ti,ab,kw (Word variations have been searched)
#83 "Mammary Carcinoma, Human":ti,ab,kw (Word variations have been searched)
#84 "Carcinoma, Human Mammary":ti,ab,kw (Word variations have been searched)
#85 "Carcinomas, Human Mammary":ti,ab,kw (Word variations have been searched)
#86 "Human Mammary Carcinomas":ti,ab,kw (Word variations have been searched)
#87 "Mammary Carcinomas, Human":ti,ab,kw (Word variations have been searched)
```

[^0]



|  | Novartis |
| :---: | :---: |
| Lancet Oncology | Pharmaceuticals |
| Corporation |  |

randomised, double-blind, placebo-controlled, phase 3 trial

Supported by Novartis Pharmaceuticals, which also funded medical writing assistance.
phase III, double-blind, placebo-controlled international study

## AstraZeneca AG

Switzerland, multicentre, double-blind,
S. A. AstraZeneca N. V. placebo-controlled
and the Swiss and randomised phase II
State Secretariat trial

a computer-generated
hierarchical
randomisation
algorithm
123 medical centres across
the investigator or
another designated member of the research staff via a centralised interactive web-based and voice-based randomisation system(which also generated the random allocation sequence)

$$
\begin{array}{lll}
\text { in } 144 \text { centres in } & 259 & 521 \\
17 \text { countries } &
\end{array}
$$

$\square$

A computer-
generated randomization
schedule was used to
allocate
patients using variable 13 Canadian cancer centres - 129
block sizes

```
    Randomisation was done
with a block size of six
    within each stratum.
Patients and investigators
            (including
    local radiologists)
        remained masked
```

| sex (women\%) | Her-2 expression | disease stage | pathway inhibited |
| :---: | :---: | :---: | :---: |
| 100\% | (-) | ABC | CDK4/6 |
|  |  |  |  |
| 100\% | (-) | locally advanced or metastatic breast cancer | FGFR |
| 100\% | (-) | unresectable locally advanced or metastatic, ERpositive, human epidermal growth factor receptor $2 /$ neu negative breast cancer | mTOR |
| 100\% | (-) | inoperable locally advanced or metastatic disease | PI3K |


| $100 \%$ |  | locally <br> advanced or <br> metastatic <br> breast cancer | PI3K-AKT-mTOR |
| :---: | :---: | :---: | :---: |
| (-) |  |  |  |




ribociclib 600 mg orally per
day, 3 weeks on, 1 week
off+fulvestrant 500 mg im, on day 1 of each 28 -day cycle
placebo+fulvestrant 500 mg ,
im

210
151
484
selumetinib $75 \mathrm{mg}+$ Fulvestrant
placebo+fulvestrant 500mg, im

$60(36-90)$
79
Aged $\geqslant 65$ years:
29 (33\%)

63 (40-82)
Aged $\geqslant 65$ years: 29 (37\%)
$56(29-80)$
Tam:51 (15\%) AI+Tam: 159 (46\%)

59
$59(31-80)$
$57(31-83)$
Endocrine therapy
: 42 ( $74 \%$ )
Mean no. of prior:

1. 47 endocrine therapies for advanced disease

Tam or AI for metastatic
disease: 42 (69\%)
Tamoxifen or AI in adjuvant: 9 (15\%)

68 61.6 (SD: 8.9) 57.7 (SD: 8.7) Any prior adjuvant endocrine
therapy: 10 ( $16 \%$ )



| AI : (99\%) | $\begin{gathered} \text { ER (+) } \\ \text { PR (+) } 58 \quad(65 \%) \\ \text { PR (-) } 21 \quad(24 \%) \\ \text { PR (unknown) } 10 \quad(11 \%) \end{gathered}$ | $\begin{gathered} \text { ER (+) } \\ \text { PR (+) } 58 \quad(73 \%) \\ \text { PR (-) } 14 \quad(18 \%) \\ \text { PR (unknown) } 7(9 \%) \end{gathered}$ |
| :---: | :---: | :---: |
| $\begin{array}{cc} \text { AI:70 } & (40 \%) \\ \text { Tam:23 } & (13 \%) \\ \text { AI }+ \text { Tam: } 81 \quad(47 \%) \end{array}$ | ER, PR (+): \#Median of distribution: 81 (23\%) <Median of distribution: $71 \quad(20 \%)$ ER/PR (+) : \#Median of distribution: $179 \quad(52 \%)$ <Median of distribution: $165 \quad(48 \%)$ | ER, PR (+) : $\geqslant$ Median of distribution: $40 \quad(23 \%)$ <Median of distribution: $29 \quad(17 \%)$ ER/PR (+) : \#Median of distribution: 100 (57\%) <Median of distribution: $90 \quad(52 \%)$ |
| Endocrine therapy : $39 \text { (66\%) }$ |  |  |
| Mean no. of prior: <br> 1. 43 <br> endocrine <br> therapies for <br> advanced disease | ER (+) 100\% | ER (+) 100\% |
| Tam or AI for metastatic disease: 53 ( $78 \%$ ) <br> Tamoxifen or AI in adjuvant: 10 (15\%) <br> Any prior adjuvant endocrine therapy: 5 (7\%) | Primary tumour status: ER (+) 56 (92\%) PR (+) 47 ( $77 \%$ ) <br> Metastatic tumour status: n (\%) ER (+) 19 (31\%) PR (+) 11 ( $18 \%$ ) | Primary tumour <br> status: ER (+) 64 (94\%) <br> PR (+) 47 ( $69 \%$ ) <br> Metastatic tumour <br> status: n (\%) <br> ER (+) 17 ( $25 \%$ ) <br> PR(+)7 (10\%) |

Lines of previous
hormonal therapy in
metastatic setting:
1:48 (34\%)
2:48 (34\%)
3:16 (11\%)
4:3 (2\%)
$\geqslant 5: 0$

Tamoxifen: 61\%
AI:68\%

ER+:481 (99.4\%)
PR+:353 (72.9\%)

ER+:241 (99.6\%)
$\mathrm{PR}+: 167$ (69.0\%)

AI: Adjuvant 8
(40\%) Advanced stage 12 (60\%)
Tam:11 (55\%)

```
    Bone only:123 Bone only:57
    (27.6%) (25.6%)
Other:75 (16.8%) Other:38(17.0%) 245 (54.9%) 128 (57.4%) yes:318 (71.3%)
```

    Bone 39 (83.0\%) Bone 36 (72.0\%)
    Lymph nodes 21 Lymph nodes 26
        (44.7\%)
            (52.0\%)
    Liver 22 (46.8\%) Liver 16 (32.0\%) 35 (74.5\%) 30 (60.0\%) --
Other 19 (40.4\%) Other 8 (16.0\%)
Adrenal 3 (6.4\%) Adrenal 3 (6.0\%)
Breast 0 Breast 1 (2.0\%)
Bone: 44 (67\%) Bone:46 (71\%)
Lung: 28 (42\%) Lung:23(35\%)
Liver:18 (27\%) Liver:17 (26\%) ——— 44, 67\%
Lymph nodes:27 Lymph nodes:28
(41\%) (43\%)
—— - ——
341 ( $59 \%$ ) 337 (59\%)


```
    Bone:219 (76%) Bone:111 (78%)
    Liver:137 (47%) Liver:76 (53%)
    Lymph nodes:101 Lymph nodes:49
        (35%)
        (34%)
    Lung:94 (33%) Lung:43 (30%)
    2 (73%) (72%)
```

```
Visceral:21 Visceral:103
```

```
Visceral:21 Visceral:103
```

Visceral:29 Visceral: 146 3 (60.5\%) (60.3\%)

```
Bone:367 (75.8%) Bone:180 (74.4%)
```

Bone:367 (75.8%) Bone:180 (74.4%)
Bone only:103 Bone only:51
Bone only:103 Bone only:51
(21.3%) (21.1%)
(21.3%) (21.1%)
Lung:146 (30.2%) Lung:72 (29.8%)
Lung:146 (30.2%) Lung:72 (29.8%)
Liver:134 (27.7%) Liver:63 (26.0%)
Liver:134 (27.7%) Liver:63 (26.0%)
Lung or liver:242 Lung or liver:121
Lung or liver:242 Lung or liver:121
(50.0%)
(50.0%)
Central nervous
Central nervous
system:6 (1.2%)
system:6 (1.2%)
Other$:102 (21.1%)
Other$:102 (21.1%)
Lymph nodes:199
Lymph nodes:199
(50.0%)
(50.0%)
Central nervous
Central nervous
system:2 (0.8%)
system:2 (0.8%)
Other\ddagger: 51 (21.1%)
Other\ddagger: 51 (21.1%)
Lymph nodes:115

```
    Lymph nodes:115
```

        (41. 1\%)
    1 or 2: 13 ( $59 \%$ ) 1 or 2: 13 ( $65 \%$ )
$\geqslant 3$ : $9(41 \%)$
$\geqslant 3$ : 7 (35\%)
$13(59 \%) \quad 11$ ( $55 \%) \quad 15$ (68\%)
(47.5\%)



| White $249(86 \%)$ | White $121(85 \%)$ | $0: 173(60 \%)$ |
| :---: | :---: | :---: | :---: |
| Asian $20(77 \%)$ | Asian $9(6 \%)$ | $1: 112(39 \%)$ |
| Black $4(1 \%)$ | Black $4(3 \%)$ | $2: 2(1 \%)$ |
| Other $7(2 \%)$ | Other $3(2 \%)$ | Missing: $2(1 \%)$ |
| Unknown $9(3 \%)$ | Unknown $6(4 \%)$ |  |

```
White: 406 (83.9%) White: 213 (88.0%)
    Asian: 45 (9.3%) Asian: 18 (7.4%)
Native American: 5 Native American: 1
        (0.4%)
    Black: 2 (0.8%)
    Unknown: 5 (2.1%)
    Other: 3 (1.2%)
```

$0: 310(64.0 \%)$
1: 173 (35.7\%) Missing: 1 (0.2\%)
$\qquad$
0:16 (73\%)
1/2: 6 (27\%)

0： 116 （67\％）
1： 58 （33\％）
275 （79\％）
138 （79\％）
8． 9 months（IQR
8． 7 －9．2）．
$\begin{array}{cccc}0: 38(64 \%) & \text { postmenopausal } & \text { postmenopausal } \\ 1: 20(34 \%) & \text { 未提及百分比 } & \text { 未提及百分比 }\end{array}$ $\qquad$ PFS
2：1（2\％）

0： 36 （53）
1： 27 （40）postmenopausal postmenopausal
2：5（7）未提及百分比 未提及百分比
uNTx response．

| 0： 91 （64\％） | $8 \cdot 3$ months（IQR |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| $\text { 1: } 48 \text { (34\%) }$ | postmenopausal | postmenopausal | $4 \cdot 2-20 \cdot 7) \text { VS }$ |  |
| $\begin{aligned} & \text { 2: } 1 \text { (1\%) } \\ & \text { Missing: } 3 \end{aligned}$ | 未提及百分比 | 未提及百分比 | $12 \cdot 0$ months <br> （IQR | survival |
| （2\％） |  |  | 4•7－13•7） |  |

0： 158 （65．3\％）
1： 83 （34．3\％） ——－
Missing： 1
（0．4\％）
$\begin{array}{llc}\text { 0：} 13(65 \%) & \text { postmenopausal } & \text { postmenopausal } \\ \text { 1／2：} 7(35 \%) & \text { 末提及百分比 } & \text { 末提及百分比 }\end{array}$
22 months
DCR


3. 9 months [95\% CI 2. $8-4.2]$ vs 1.8
overall
survival, safety
months [1.5-2.8]
HR=0.67, $95 \% \mathrm{CI}$
0. 53-0.84, one-
sided $p=0.00030$

CR:1 PR:21
Overall response: $22,8 \%$, 95\%CI:5-11
CR:0 PR:3
Overall response: $3,2 \%$, 95\%CI: 0-6
20.5 months (95\% CI,
18.5 to 23.5 months)
versus 12.8 months
(95\% CI, 10. 9 to
16. 3 months) $H R=0.593$
(95\% CI, 0.480 to
0.732 ; $P=0.001$ \{up
to
line $: \mathrm{HR}=0.565,95 \% \mathrm{CI}$ : $0.428-0.744\}$
overall response
rate
(OR, best response
i. e. CR or PR), time
to treatment failure (TTF, from
randomisation to
discontinuation of all trial
treatment), duration

PFS:3. 7 months (95\%
CI 1.9, 5.8) and
CR: 0 ( $0 \%$ ) VS 0 ( $0 \%$ )
5. 6 months ( $95 \%$ CI PR: 1 ( $5 \%$ ) VS 3 ( $15 \%$ ) 3. 4, 13.6)

155, 32. 4\% (95\% CI,
$28.3 \%$ to $36.6 \%$ ) versus 52, 21. $5 \%$
(95\% CI, 16. 3\% to 26. $7 \%$ )

28. 3 months
(95\% CI, 19.5 to 29.6 months)
31. 4 months (95\% CI,
21.8 to month not reached)
HR=1.31 [95\% CI:0.72
, 2. 38] $\mathrm{P}=0.37$
(9. 43 months [4. 1 to not estimable] vs 6.5 months [3.7 months to not estimable]; $\mathrm{p}=0.65$

OS: $31.0(23.3-N R) v s$
NR, $\mathrm{p}=0.30$

OS: 22.9 [16.1, NA] VS
19. 4 [15.2, NA]


22 (24.7\%) (95\% CI

231, 67\%
(61. 3 - 71.5) VS 69, 40\% (32. 3 - 47. 3)

OR: $3.05(2.07-4.61)$


DCR:5 23\% (95\% CI: 8-45\%) VS
10 50\% (95\% CI 27-75\%)

The most common grade 3 AEs (occurring in $\geqslant$ $10 \%$ of
patients) in the dovitinib vs placebo arms
were hypertension ( $21.3 \%$ vs $6.0 \%$ ), diarrhea
(14.9\% vs $4.0 \%$ ), alanine
aminotransferase increase ( $14.9 \%$ vs $2.0 \%$ ),
fatigue (12.8\%vs 2.0\%), blood alkaline phosphatase increase ( $12.8 \%$ vs
$0 \%$ ) , and $\gamma$-glutamyltransferase increase
(10.6\% vs 6.0\%)
hyperglycemia ( $16 \% / 0 \%$ vs. $0 \%$ ), stomatitis ( $11 \% / 0 \%$ vs. $0 \%$ ), hypertriglyceridemia ( $9 \% / 2 \%$ vs. $0 \%$ ),
lymphopenia (9\%/0\%
vs. $0 \%$, and pneumonitis ( $6 \% / 2 \%$ vs. $0 \%$ )

The most common grade $3-4$ adverse events
in the buparlisib group versus
the placebo group were increased
alanine aminotransferase
(146 [25\%] of 573 patients vs
six [1\%] of 570), increased
aspartate aminotransferase
573
570
(103 [18\%] vs 16 [3\%]), hyperglycaemia (88 [15\%] vs
one $[<1 \%]$ ), and
rash (45 [8\%] vs none)

```
grade 3 or 4 adverse events were
    neutropenia (223 [65%] in the
            fulvestrant plus
    palbociclib group and one [1%]
in the fulvestrant plus placebo
    group), anaemia (ten [3%] and
        three [2%]), and leucopenia
            (95 [28%] and two [1%]).

3/4级: 251 ( \(73 \%\) ) of 345

The most common adverse events in the fulvestrant/bortezomib combination arm compared with the fulvestrant alone arm included nausea ( \(63 \mathrm{vs} .29 \%\) ), diarrhea (47 vs. \(8 \%\) ), sensory neuropathy ( 46 vs. \(29 \%\) ), and
limb edema ( 37 vs. 19\%)

14 (23.0 \%) patients on FV and 9 (13.2 \%) on
FP experienced a grade 3 or greater serious
or clinically significant
AE ( \(p=0.17\) ). 6 patients experienced a serious adverse

61
68
14, 23. 0\%
event, 2 who received FV (diarrhoea and
mucositis/stomatitis) and 4 who received FP
(dehydration, pericarditis and 2 cases
of pulmonary infection).
（52．2）），oedema（11（47．8）），diarrhoea（10 （43．5）），mouth disorders（9（39．1））and muscle disorders（6（26．1））．

1级： 1 （4．3\％）
2级： 11 （ \(47.8 \%\) ） 3级： 11 （ \(47.8 \%\) ）
4级：0（0．0\％）

Placebo：Nausea／vomiting：9（40．9），Fatigue： 7
（31．8），Diarrhoea： 7 （31．8），Pain： 7 （31．8）， Eye disorders： 5 （22．7）， Skin disorders： 5 （22．7）
al1：199（89．2\％）
3级46（20．6\％）
4级：5（2．2\％）

47 （94．0\％）
3级：19（38．0） 4级：6，12\％
\(3 / 4\) 级： \(23 \% / 3 \%\)
\(\qquad\)

Grade \(\geqslant 3: 22,28 \%\)

3/4级: 38 ( \(22 \%\) ) of 172

9, 13. \(2 \%\)

47，34\％

1级： 2 （ \(9.1 \%\) ）
2级：7（31．8\％）
3级： 11 （ \(50.0 \%\) ）
4级： 2 （ \(9.1 \%\) ）```


[^0]:    \#88 "Human Mammary Carcinoma":ti,ab,kw (Word variations have been searched)
    \#89 "Mammary Neoplasms, Human":ti,ab,kw (Word variations have been searched)
    \#90 "Human Mammary Neoplasm":ti,ab,kw (Word variations have been searched)
    \#91 "Human Mammary Neoplasms":ti,ab,kw (Word variations have been searched)
    \#92 "Neoplasm, Human Mammary":ti,ab,kw (Word variations have been searched)
    \#93 "Neoplasms, Human Mammary":ti,ab,kw (Word variations have been searched)
    \#94 "Mammary Neoplasm, Human":ti,ab,kw (Word variations have been searched) \#57 or \#58 or \#59 or \#60 or \#61 or \#62 or \#63 or \#64 or \#65 or \#66 or \#67 or \#68 or \#69 or \#70 or \#71 or \#72 or \#73 or \#74 or \#75 or \#76 or \#77 or \#78 or \#79 or \#80 or \#81 or \#82 or \#83 or \#84 or \#85 or \#86 or \#87 or \#88 or \#89 or \#90 or \#91 or \#92 or \#93 or \#94

