OPDIVO: The first and only adjuvant immuno-oncology (I-O) treatment that reduces the risk of recurrence or death for all high-risk patients with MIUC whose tumors express PD-L1 TC ≥1%¹



DFS benefit was achieved regardless of prior neoadjuvant chemotherapy, cisplatin eligibility, or nodal involvement in patients whose tumors express PD-L1 TC ≥1%¹

uscle-invasive urothelial carcinoma; PD-L1= programmed death lig



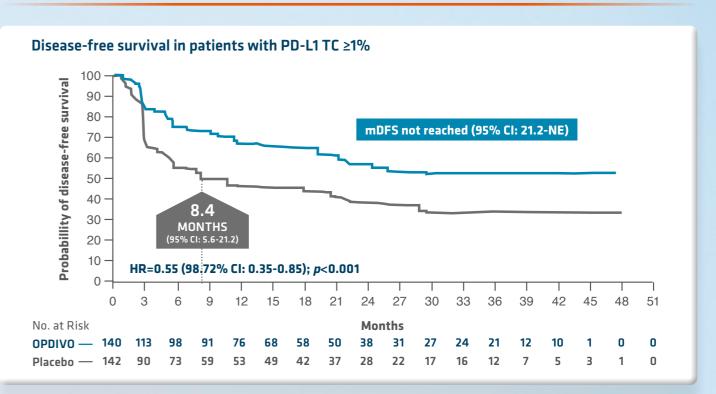
Histol Myers Squibb

OPDIVO: the first and only adjuvant immuno -oncology treatment in MIUC proven to reduce the risk of recurrence or death in patients whose tumors express PDL-L1 TC ≥1%

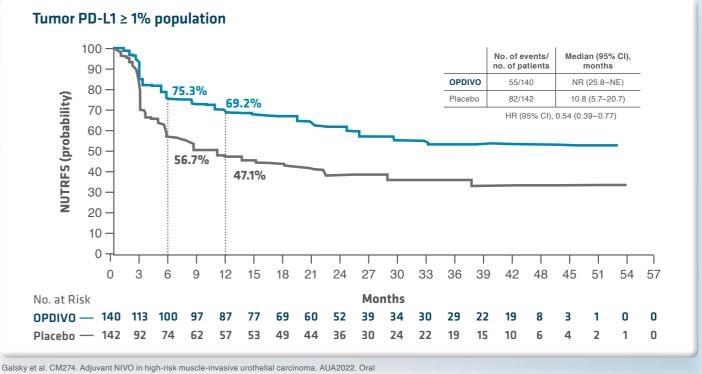
Despite curative efforts, lack of proven effective & tolerable options post radical resection means approximately 50% OF PATIENTS with muscle-invasive urothelial carcinoma (MIUC) **EXPERIENCE DISEASE RECURRENCE²⁻⁵**

Checkmate 274: the first and only phase 3, placebo-controlled, adjuvant trial in patients with UC to demonstrate a DFS benefit¹

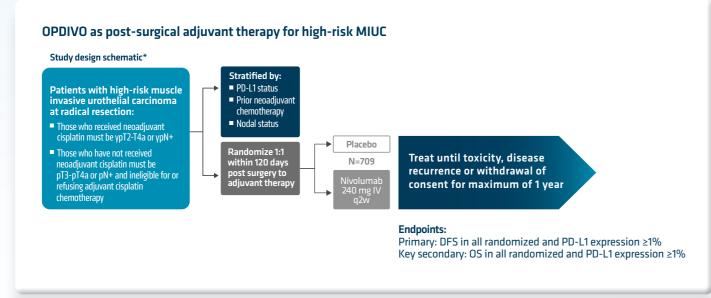
Median DFS not reached with OPDIVO: The risk of recurrence is reduced by 45%¹



DMFS improved with OPDIVO vs Placebo



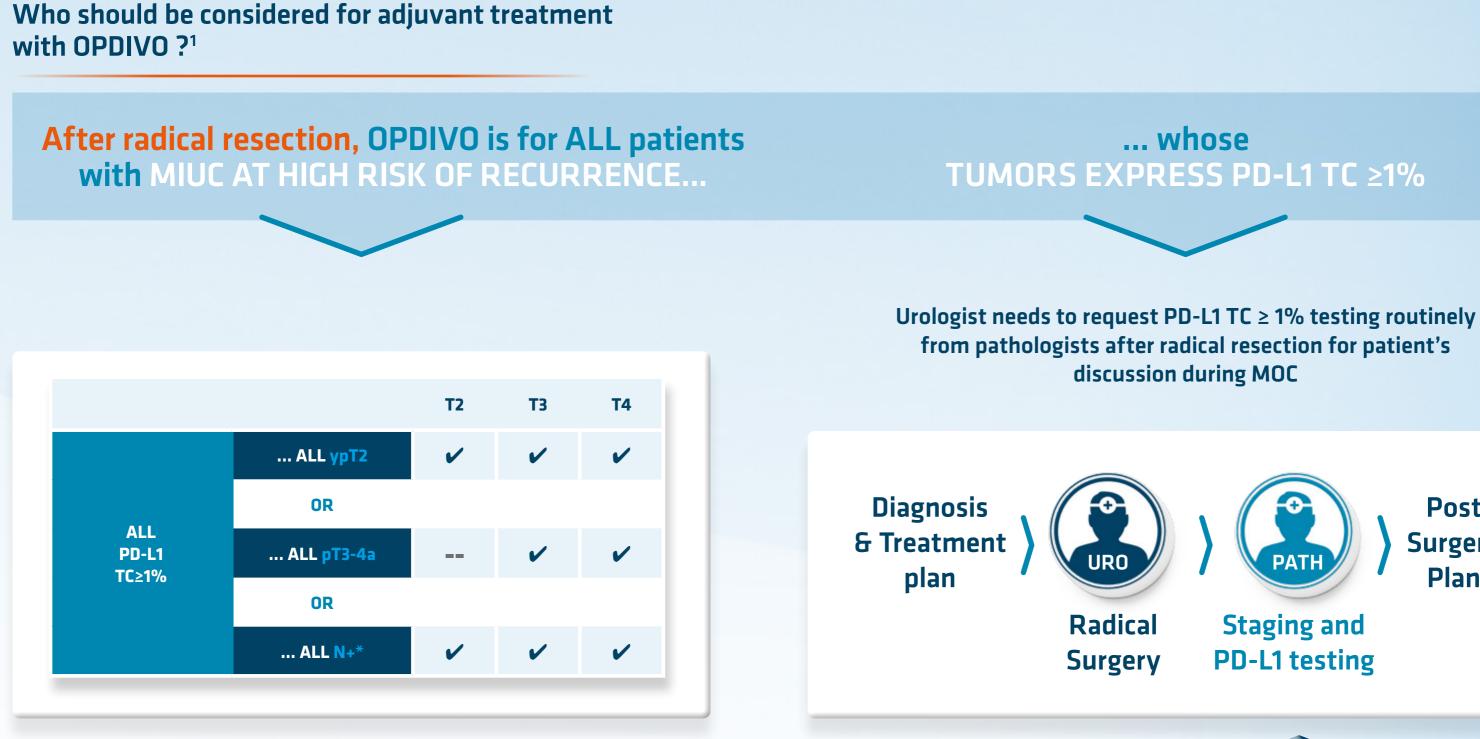
Checkmate 274



* Note that per Revised Protocol 04, there is no longer a cap on the number of subjects with PD-L1 expression <1% IV=intravenous, OS=overall survival; PD-L1=programmed death ligand 1; PFS=progressive-free survival; g2w=every 2 weeks

Minimum follow-up time of 6.3 months. Median follow-up time of 22.1 months for OPDIVO and 18.7 months for placebo. Cl=confidence interval; DFS=disease-free survival; HR=hazard ratio; ITT=intent to treat

OPDIVO: the first and only adjuvant immuno -oncology treatment in MIUC proven to reduce the risk of recurrence or death in patients whose tumors express PDL-L1 TC ≥1%



- designates staging after therapy (in this context, after neoadjuvant chemotherapy

designates pathologic staging at the time of surgery

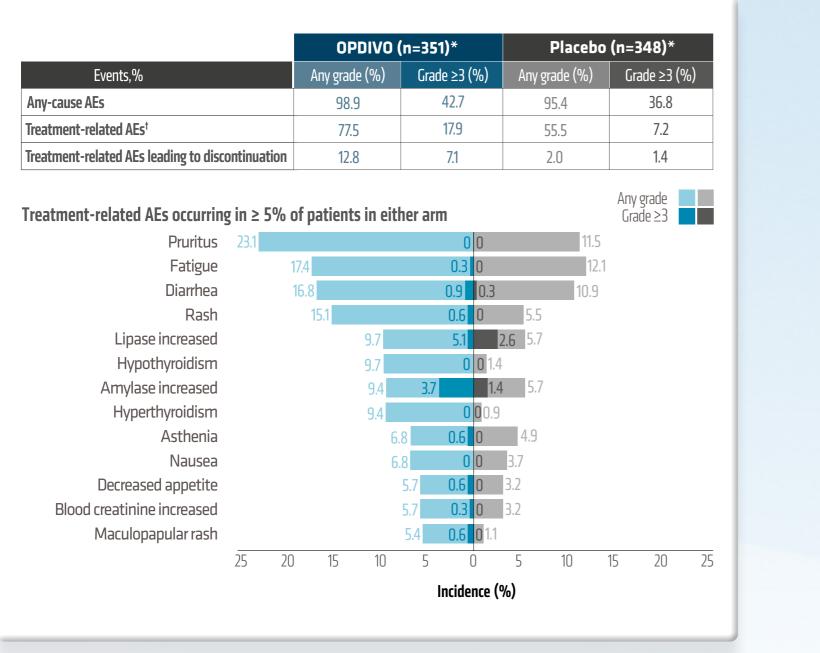
If patient	Tumor stage must be
Received neoadjuvant chemotherapy	ypT2-ypT4a or ypN+
Did not receive neoadjuvant chemotherapy	pT3-pT4a or pN+

*Lymph-node positive covers all stages: T1+.

Post Surgery Plan

There is a -40% prevalence of PD-L1 $TC \ge 1\%$ in MIUC tumor tissue samples

Opdivo offers a maintained quality of life throughout time⁶



* Includes all treated patients. † There were 2 treatment-related deaths due to pneumonities in the OPDIVO arm. There were no tretment-related deaths in the placebo arm. Includes events report between the first dose and 30 days after the last dose of study therapy.

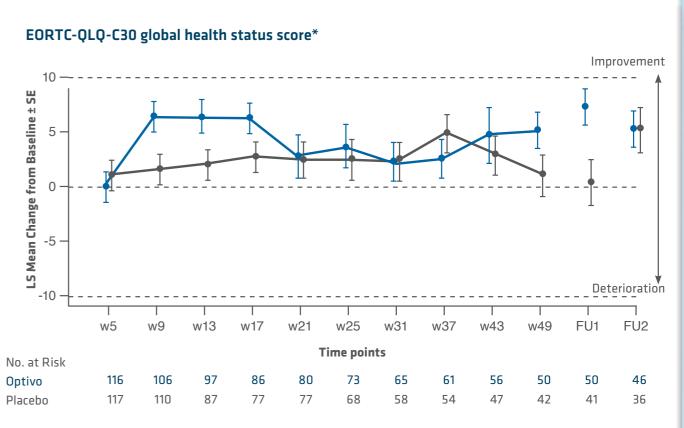
1. Bajorin DF, Witjes JA, Gschwend JE, et al. Adjuvant nivolumab versus placebo in muscle-invasive urothelial carcinoma. N Engl J Med. 2021;384(22):2102-2114.

- Stein, J. P., Lieskovsky, G., Cote, R., Groshen, S., Feng, A. C., Boyd, S., Skinner, E., Bochner, B., Thangathurai, D., Mikhail, M., Raghavan, D., & Skinner, D. G. (2001). Radical cystectomy in the treatment of invasive bladder cancer: Long-term results in 1,054 patients. Journal of Clinical Oncology, 19(3), 666–675. https://doi.org/10.1200/JCO.2001.19.3.666
- 3. Cagiannos, I., & Morash, C. (2009). Surveillance strategies after definitive therapy of invasive bladder cancer. In Journal of the Canadian Urological Association (Vol. 3, Issue 6 SUPPL. 4, p. S237). Canadian Medical Association. https://doi.org/10.5489/cuaj.1205

4. Madersbacher, S., Hochreiter, W., Burkhard, F., Thalmann, G. N., Danuser, H., Markwalder, R., & Studer, U. E. (2003). Radical cystectomy for bladder cancer today - A homogeneous series without neoadjuvant therapy. Journal of Clinical Oncology, 21(4), 690-696. https://doi.org/10.1200/JCO.2003.05.101

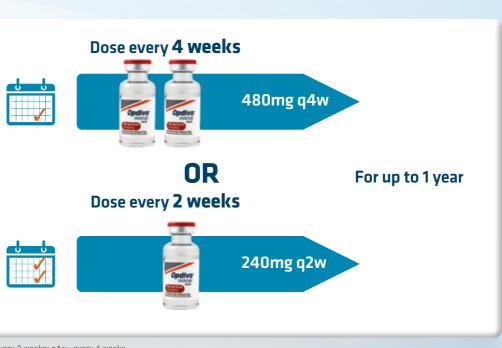
5. Cagiannos, I., & Morash, C. (2009). Surveillance strategies after definitive therapy of invasive bladder cancer. In Journal of the Canadian Urological Association (Vol. 3, Issue 6 SUPPL. 4, p. S237). Canadian Medical Association. https://doi.org/10.5489/cuai.1205

6. Bajorin DF et al. Adjuvant nivolumab versus placebo in muscle-invasive urothelial carcinoma. N Engl J Med, 2021;384(22):2102-2114 - Supplementary Appendix, p15, panel B "Evaluable Patients with PD-L1 ≥1% 7. Opdivo SmPC



* Number of patients displayed is the number of patients inclused in the mixed effectslinear regression for repeated measures analysis at each visit [†]Standard error (SE) is the robust SE calculated using empirical variance estimator. FU denotes Follew-up; LS, Least Square

Opdivo offers a flexible dosing in the adjuvant treatment of MIUC⁷





q2w= every 2 weeks; q4w= every 4 weeks

www.IO-portal.be



Your portal with up-to-date educational resources & tools to support your daily practice:

- Peer-to-peer sharing
- Product information
- Patient support tools
- Useful links



Add **www.IO-portal.be** to your favorites





OPDIVO as monotherapy is indicated for the adjuvant treatment of adults with muscle invasive urothelial carcinoma (MIUC) with tumour cell PD-L1 expression \geq 1%, who are at high risk of recurrence after undergoing radical resection of MIUC⁷



Ex-factory	(exd. VAT)	
OPDIVO	40 mg	€509,90
OPDIVO	100 mg	€1.274,75
OPDIVO	120 mg	€1.529,83
OPDIVO	240 mg	€3.059,65

1. NAME OF THE MEDICINAL PRODUCT OPDIVO 10 mg/mL concentrate for solution for infusion. 2. QUALITATIVE AND QUANTITATIVE COMPOSITION Each mL of concentrate for solution for infusion contains 10 mg of nivolumab. One vial of 1 mL contains 100 mg/mL concentrate for solution for infusion. Contentrate for solution for infusion contains 10 mg of nivolumab. One vial of 1 mL contains 10 mg of nivolumab. Section for infusion contains 10 mg of nivolumab. One vial of 2 mL contains 240 mg of nivolumab. Nivolumab is produced in Chinese hamster ovary cells by recombinant DNA technology. <u>Excipients 240 mg of nivolumab. Section 6 minutes not a solution for infusion 20 mg/mL contains 10 mg of nivolumab. The full list of excipients, see section 6.1. **3. PHARMACEUTICAL FORM** Concentrate for solution for infusion (sterile concentrate). Clear to opolescent, colordess to pale yellow liquid that may contain few light particles. The solution has a pH of approximately 6.0 and an esmolishy of approximately 34. **Clinical PARTICULARS 4.1 Therapeutic indications** <u>Melanoma</u> **PD**/WO as monoherapy or incombination with pilimumab is indicated for the treatment of optioned (unresectable or metastatic) melanoma in adults. Relative to nivolumab monoherapy.</u> an increase in progression-fiee survinal (PS) and overall survinal (OS) for the combination of nivolumab with ipilinumab is established only in patients with low tumour PD-11 expression (see sections 4.4 and 5.1). <u>Adjuant treatment of leadors</u> provide survinal (PS) and overall survinal (OS) for the combination of nivolumab with ipilinumab is established only in patients with low tumour PD-11 expression (see sections 4.4 and 5.1). <u>Adjuant treatment of leadors</u> provide survinal (PS) and overall survinal (OS) for the combination of nivolumab with ipilinumab and 2 cycles of platinum-based chemotherapy is indicated for the first-line treatment of metostatic non-small cell lung cancer in adults whose humour shore no sensitising EGF mutation or ALK translocation. OPDIVO is monotherapy is indicated for the treatment of metostatic norsmall cell lung career dher prior demonstreapy in colubs. Malagrant pleval mescheliana (MPII), OPDIVD in combination with ipilinumado is indicated for the first line treatment of colut parients with unresectable malignant pleval mescheliana. Read carcinoma (RCC) OPDIVD as monotherapy is indicated for the treatment of columna beneficience and the prior therapy in colubs. combination with pilinumab is indicated for the first-line treatment of adult patients with intermedate/poor-isk advanced renal cell carcinoma (see section 5.1). OPDIVO in combination with advazantinib is indicated for the first-line treatment of adult patients with advanced renal cell carcinoma (see section 5.1). patients with relapsed or refroctory classical Hodgkin lymphoma after autologous stem cell transplant (JSCT) and treatment with brentwinab vedotin. Sournous cell cancer of the head and neck (SCCHN) OPDWO as monotherapy is indicated for the treatment of recurrent or metastatic squamous cell cancer of the head and neck in adults progressing on or after platnum-based therapy (see section 5.1). Unothelial archine of DWD as nonotherapy is indicated for the retentment of locally advanced unexectable or metastatic urathelial arcinoma in adults after failure of prior platinum-containing therapy, <u>Advant theatment of urathelial arcinoma</u> OPDWD as monotherapy is indicated for the edynant treatment of adults with muscle invasive urathelial arcinoma (MUC) with turnour (ell PDL) expression $\geq 1\%$, who are at high risk of recurrence after undergoing rolical researcion of NUUC (see section 5.1). <u>Wismatch repoir deficient (dWMR) or microsofelitie instability high (MIS-H) colorectal cancer (CRQ, OPDIVO in combination with ipilimurab is indicated for the treatment of adult patients with mismatch repoir deficient or microsofelitie instability high metastatic colored cancer after prior fluoropyrimidine based combination</u> chemotherapy (see section 5.1). Descriptinged squamous cell carcinoma (VSCQ) OPDIVO in combination with liplimumds is indicated for the first-line treatment of dult patients with unesectable advanced, recurrent or metastatic assphaged squamous cell carcinoma with tumour cell PDL1 expression > 1%. OPDIVO in combination with liplimumds is indicated for the first-line treatment of dult patients with unesectable advanced, recurrent or metastatic assphaged squamous cell carcinoma with tumour cell PDL1 expression > 1%. OPDIVO in combination with unesectable advanced, recurrent or metastatic assphaged squamous cell carcinoma with tumour cell PDL1 expression > 1%. OPDIVO in combination in the first-line treatment of dult patients with unesectable advanced, recurrent or metastatic assphaged squamous cell carcinoma viti tumour cell PDL1 expression > 1%. OPDIVO in combination in timesectable advanced, recurrent or metastatic assphaged squamous cell carcinoma viti tumour cell PDL1 expression > 1%. OPDIVO in combination in timesectable advanced, recurrent or metastatic assphaged squamous cell carcinoma viti tumour cell PDL1 expression > 1%. OPDIVO in combination interval is indicated for the treatment of dubt patients with unesectable advanced, recurrent or metastatic assphaged squamous cell carcinoma viti tumour cell PDL1 expression > 1%. OPDIVO is combination interval is indicated for the treatment of dubt patients with unesectable advanced, recurrent or metastatic assphaged squamous cell carcinoma viti tumour cell PDL1 expression > 1%. OPDIVO is combination interval is indicated for the treatment of dubt patients with unesectable advanced, recurrent or metastatic assphaged squamous cell carcinoma viti tumour cell PDL1 expression > 1%. Adjurnant mentment of ossignlaged or gastro-ossignlaged junction cancer (OC or GEIQ OPDIVO as monotherapy is indicated for the adjurnant heatment of adult patients with assignlaged or gastro-ossignlaged junction cancer who have residued pathologic disease following prior neoadjurnant chemoradiatherapy (see section 5.1). Gastric, gastro-ossignlaged junction (GEI) or ossignlaged or gastro-ossignlaged junction cancer who have residued pathologic disease following prior neoadjurnant chemoradiatherapy (see section 5.1). gy and method of adadenocarcinoma (PDIVI) in combination with fluoropyrimidine and platinum-based combination chemotherapy is indicated for the firstline treatment of adult patients with HER2negative advanced or method of administration Treatment must be initiated and supervised by physicians experienced in the treatment of concer. (PS) 2: 5. 4.2 Posology and method of administration Treatment must be initiated and supervised by physicians experienced in the treatment of concer. (PS) 2: 5. 4.2 Posology and method of administration Treatment must be initiated and supervised by physicians experienced in the treatment of concer. (PS) 2: 5. 4.2 Posology and method of administration Treatment must be initiated and supervised by physicians experienced in the treatment of concer. or 480 mg every 4 weeks (see section 5.1) depending on the indication, as presented in Table 1. <u>Table 1: Recommended dose and infusion time for introvenus administration of nivolumab manaherupy</u> Indication* Melanoma (advanced or adjuvant heatment), Renal cell carcinoma, Muscle invasive urabelial carcinoma (MUDC) (adjuvant heatment) Recommended dose and infusion time : 240 mg every 2 weeks over 30 minutes or 480 mg every 4 weeks over 40 minutes; Varsmal cell undites; Varsmal cell undition concer (odjuvent heatment): 240 mg every 2 weeks over 30 minutes or 480 mg every 4 weeks over 30 minutes for the first 16 weeks, followed by 480 mg every 4 weeks over 30 minutes; Varsmall cell ung concer, Classical Hodgkin lymphomo, Squamous cell concer of the head and neck, 2 verses vers a d minutes or two in grenty 4 mess ore a diminus, becompany or grenty 2 mess ore a diminus and the minute manual and encusty every 3 weeks for the first 4 doess. This is then followed by a second phase in which nivolumab monotherapy is administered introverously at either 240 mg every 2 weeks or at 480 mg every 4 weeks, as presented in Table 2. For the monotherapy phase, the first does of ministered introverously at either and the combination of nivolum nab and ipilimumab if usina 240 mg every 2 weeks, or 6 weeks drer the lost dase of the combination of nivolumab and iplimumab if using q80 mg every 4 weeks. Note 2, Recommended dases and infusion times for intervenous administration of nivolumab in combination with iplimumab for melanoma Nivolumab and point. The second second infusion times for intervenous administration of nivolumab in combination of nivolumab for melanoma Nivolumab Combination of nivolumab if using cycles : 1 mg/kg over 30 minutes Nanotherapy phase : 240 mg every 2 weeks over 30 minutes or 480 mg every 4 weeks over 60 minutes to a follimumada Combination phose, every 3 weeks for 4 dosing cycles : 3 mg/kg over 30 minutes - Malignant pleand mescheliang. The recommended dose is 360 mg nivolumab administered introvenously over 30 minutes every 6 weeks. Treatment is continued for up to 24 months in potients without disease progression. <u>Rend cell carcinoms and dMMR or MSH collectid carce:</u> The recommended dase is 3 mg/kg nivolumab in combination with 1 mg/kg infinumab diministered introvenously at either 240 mg every 2 weeks for the first 4 dases. This is then followed by a second place in which rivolumab monotherapy is administered introvenously at either 240 mg every 2 weeks or at 480 mg every 4 weeks (RCC only), as presented in Table 3. For the monotherapy phase, the first dose of hier combination with 1 mg/kg infinumab dinistered introvenously at either 240 mg every 2 weeks; or at 480 mg every 4 weeks (RCC only), as presented in Table 3. For the monotherapy phase, the first dose of hier combination of nivolumab and pilimumab frusing 400 mg every 4 weeks (RCC only). Table 3. Recommended dase is 3 mg/kg aver 30 minutes (MAR or MSH CEC Nivolumab Combination phase, every 3 weeks for the first 4 dosing cycles : 3 mg/kg aver 30 minutes (Norotherapy phase : 240 mg every 2 weeks; or e 480 mg every 4 weeks (RCC only). 3 weeks for 4 dosing cycles : 1 mg/kg over 30 minutes - <u>Desploged squarnous cell carchong</u> The recommended dose is ether 3 mg/kg molumab every 2 weeks or 360 mg mixiolando every 3 weeks administeed introvenously over 30 minutes in combination with 1 mg/kg piliniumab administeed introvenously over 30 minutes are progression, and the second every 2 weeks or 360 mg mixiolando every 3 weeks administeed introvenously over 30 minutes in combination with 1 mg/kg piliniumab administeed introvenously over 30 minutes are progression. Deplivation and the combination with cabozantinib <u>Kend cell carchong</u> The recommended dose is involumab administered introvenously or ether 240 mg every 4 weeks in combination with a part of the carbonantion with part of the carbonantion with a part of the carbonantion with a part of the carbonantion with part of the carbonanting and the carb usly over 30 minutes every 3 weeks in combination with 1 mg/Ag pillimumado administered introvenously over 30 minutes every 6 weeks, and platinum-based chemotherapy administered every 3 weeks. After completion of 2 cycles of chemotherapy, theatment is continued with 360 mg nivolumado administered introvenously every 3 weeks in combination with 1 mg/Ag pilli rumah everv 6 weeks Treatment's recommended until disease progression, unacceptable toxicity, or up to 24 months in patients without disease progression. OPDIVD in combination with diseave progression. Combination with demotherapy (<u>Desphaged spannaus cell carcinang</u> The ecommended dose of ninolumab is 2/20 mg every 2 weeks and without disease progression. Unactionation with flucoopyrimidine- and platinum-based chemotherapy (see section 5.1). Teatment with ninolumab is recommended until disease progression, unacceptable toxicity, or up to 24 months in patients without disease progression. <u>Burtic astronesophageal incluina or esophageal adenocuricanana</u> The recommended dose is 360 mg nivolumab odministered introvenously over 30 minutes in combination with flucoopyrimidine- and platinum-based chemotherapy administered every 2 weeks or 240 mg nivolumab administered introvenously over 30 minutes in combination with flucoopyrimidine- and platinum-based chemotherapy administered every 2 weeks (see section 5.1). Teatment with nivolumab is recommended until disease progression, unacceptable toxicity, or up to 24 months in patients without disease progression. Juration of treatment Treatment with OPDIVO, either as a monotheopy or in combination with igilinumada or other theopeuric agents, should be continued as long as chircle benefit is observed or until treatment is no longer tolerated by the patient (and up to maximum duration of theopy if specified for an indication). For adjuvant theory, the maximum destination with aginum duration of the option (and to be an indication). For adjuvant theory, the maximum duration of the option (agents) is a solid be continued on the first few months followed by tumour chrinkage) have been observed. It is recommended to continue treatment with involumoch or vinolumoch in combination with pilimunado for chrically stable patients with initial evidence of disease progression is onfirmed. Does escalation or reduction is no recommended to OPDIVO as monotherapy or in combination with other therapeutic agents. Dosing delay or discontinuation may be required based on individual safety and tolerability. Guidelines for permanent discontinuation or withholding of doses are described in Table 5. Detailed guidelines for the management of immune-related adverse reactions are described in section 4.4. When nivolumb is administered in combination therapeutic agents regarding dasing. Jule 5: Recommended treatment modifications for OPDIVO or OPDIVO in combination Immunerelated pneumonitis [security: Grade 2 pneumonitis [security: Grade 2 pneumonitis] [security: Grade Permanently discontinue treatment Immune-related colitis Severity: Goude 2 diarthoes or colitis Internet modification: Withhold dose(s) unti symptoms resolve and management with conficosteroids, if needed, is complete Severity: Grade 3 diarthoes or colitis. OPDVD monotheropy Internet modification: Withhold dose(s) unti symptoms resolve and management with conficosteroids is complete OPDIVO-ipilimumda' <u>Teatment modification</u>: Permanently discontinue treatment <u>Severity</u>: Grade 4 durbase or colits <u>Teatment modification</u>: Withhold dose(s) until laboratory values return to hoseline and management with controcsteroids, if needed, is complete Severity : Grade 3 or 4 elevation in AST, ALT, or total billiudin Teatment modification : Permonently discontinue treatment. NOTE: for RCC patients treated with OPDIVO in combination with cabozantinib with live enzyme elevations, see dasing guidelines following this table. Immune -related nephritis and renal dysfunction Seventy : Grade 2 or 3 creatinine elevation Treatment modification : Withhold dose(s) until creatinine atums to boseline and management with contricosteroids is complete Seventy : Grade 4 creatinine elevation Treatment modification : Permanently discontinue treatment modification : Withhold dose(s) until creatinine structs to boseline and management with contricosteroids is complete Seventy : Grade 4 creatinine elevation Treatment modification : Permanently discontinue treatment modification : Withhold dose(s) until creatinine structs to boseline and management with contricosteroids is complete Seventy : Grade 4 creatinine elevation Treatment modification : Permanently discontinue treatment modification : Withhold dose(s) until creatinine structs to boseline and management with contricosteroids is complete Seventy : Grade 4 creatinine elevation Treatment modification : Permanently discontinue treatment modification : Permanently discontinue treatment modification : Permanently discontinue treatment for the seventy : Grade 4 creatinine elevation Treatment modification : Permanently discontinue treatment for the seventy : Grade 4 creatinine elevation Treatment for the sevent is the sevent Security: Goode 3 doubles in the presence of hommon regulation in the presence of hommon regulation regulation in the presence of hommon regulation regal regis regulation regal regulation regulation regulation discontinue treatment Sereity: Stevens Johnson syndrome (SLS) or toxic epidemial necodysis (TEN) Treatment modification : Permanently discontinue treatment (see section 4.4) Immune-related myocarditis Sevenity: Giode 2 myocarditis Teatment modification : Withhold dose(s) until symptoms resolve and management with caricosteroids is complete Sevenity: Grade 3 or 4 myocarditis Teatment madification: Permanently discontinue treatment Other immune-related adverse reactions Severity: Gode 3 (first accurrence). The the monently find dose (s) Severity: Gode 4 or recurrent Gode 3; persistent Severity: Gode 2 or 3 despite treatment modification; includity to reduce confrosteroid dose to 10 mg predicione or equivalent per day Treatment Midification: Permanently discontinue treatment Note: Toxicity grades are in accordance with Viational Concern Institute Common Terminology (Criteria for Abverse Events Version 4.0. (ICHCTEE 44). *During administration of the second phase of treatment (involumab monoheropy) following combination treatment / discontinue treatment / discontinue treatment / discontinue treatment / Grade 3 diarhose or cohis accurs. *Recommendation for the use of hormone reglacement therapy is provided in section 4.4. *The safety of reinitiating nivolumab or nivolumab in combination with ipilimumab therapy in patients previously experiencing immunerelated mycanditis is not known. OPDIV as monoheropy or in combination with other therapeutic agents should be permanently discontinue to a diarbose reactions; Persistent Grade 2 or 3 adverse reactions; Persistent Grade 3 diarbose of combination with a diarbose of the safety of the saf despite management. Patients treated with OPDWO must be given the patient alert card and be informed about the risks of OPDWO (see also pockage leafler). When OPDWO is administered in combination with ipilinumab, if either agent is withheld, lf dosing is resumed after a delay, either the combination treatment or OPDWO monotherapy could be resumed based on the evolution of the individual parient. When OPDIVD is administered in combination with chemotherapy, refer to the SmPC of the other combination herapy agents regarding dosing. If any agents are withheld, the other agents may be continued. If dosing is resumed after a delay, either the combination treatment, OPDIVD monotherapy or chemotherapy alone could be resumed based on the evolution of the individual parient. OPDIVD in combination with chaozantinub in RCC when OPDIVD is sude in combination with cabazantinub, the dove retarment modifications in Table 5 also apply to the OPDIVD component. In addition, for liver enzyme elevations, in parients with RCC being treated with OPDIVD in combination with cabazantinub, the dove retarment modifications in Table 5 also apply to the OPDIVD component. In addition, for liver enzyme elevations, in parients with RCC being treated with OPDIVD in combination with cabazantinub. If ALI or AST > 3 times ULN but < 10 times ULN without concurrent total bilinubia > 2 times UUX, both OPDIVO and cabozentinib should be withheld until these adverse reactions recover to Grades 0-1. Contractereid therapy may be considered. Rechallenge with a single medicine or rechallenge with bath medicines after recovery may be considered. If rechallenging with abozentinib, refer to cabozentinib SmPC -- If AUT or XST > 10 times UUX with a single medicine or rechallenge with bath hilinoin > 2 times UIN, both OPDIVO and cabozantinib should be permanently discontinued and contracteroid therapy may be considered. Special populations <u>Prediative population</u>: The safety and efficacy of OPDIVO in children helew 18 years of age have not been established. Currently available data of OPDIVO as monotherapy or in combination with ipilimumab are described in sections 4.8 and 5.1 but no recommendation on a posology can be made. <u>Elderly</u> No dose adjustment is required for elderly patients (> 65 years) (see section 5.2). <u>Rend impointent</u> Based on the population pharmacokinetic (PK) results, no dose adjustment is required in patients with mild or moderate rend impointent seeserion 5.2). Data from patients with severe rend impointent are too limited to draw conclusions on this population, <u>Heavit impairment</u> Based on the populations PX results, no dose objustment is required in patients with moderate (total billivabin > 1.5 × to 3 × the upper limit of normal (UII) and any AST) a severe (total bilinution > 3 x UII) and any AST) hepatic impairment. <u>Hethod of administration</u> OPDWD is for introvenous use only. It is to be administered as an introvenous infusion over a period of 30 or 60 minutes depending on the dose (see Tables 1, 2, 3 and 4). The infusion must be administered through a sterile, non-pyrogenic, low protein binding in-line filter with a pore size 40.2-1.2 m. (PDIVID must not be administered as an intervenous push or bolis rigetion. The total dass of OPDIVID required can be infused directly as a 10 mg/mL solution or can be diluted with sodium choice 9 mg/mL (3%) solution for injection or glucose 50 mg/mL (5%) solution for injection (see section 6.6. When administered in combination with plintumab and/or chemotherapy, OPDIVD should be given first followed by jailmumab (if applicable) and then by chemotherapy on the same day. Use separate infusion bags and filters for each infusion. For instructions on the preparation and handling of the medicinal product before administration, see section 6.4. **3. Contraindications Hyperensitivity** to the active substance or to any of the excipients listed in section 6.1 **4.8 Undesirable** effects <u>Windowma as manotherapy (see section 4.2)</u> Summary of the safety profile in the pooled dataset of nivolumada as manotherapy access tumour types (n = 4122) with minimum follow-up ranging from 2.3 to 28 months, the most frequent adverse reactions (> 10%) were faitigue (45%), muscudokeledu jain (31%), diarhoea (26%), cough (24%), nassea (23%), puritus (19%). decreased appetitie (13%), constipation (17%), dyspanee (17%), dyspanee (17%), advantial pain (16%), anthroligin (14%), previous (14%), howating (14%), howati not known (cannot be estimated from available post-marketing data). Within each frequency grouping, adverse reactions are presented in the order of decreasing seriousness. <u>Table 5: Adverse reactions with nivolumab monotherapy Nivolumab monotherapy Infections and infestations</u>. Yey common uper respiratory that infection Common pneuronitir; branchis Rea aseptic meningitis Negotisms beingin, malignant and unspecified (including cysts and polyps). Rare histocytic necrolising lymphadenitis (Klauchi lymphadenitis)-Bload and lymphatic system disorders Very common lymphagenitie¹, internitopenitie¹, internitopeniti¹, internitopenitie¹, internitopenitie¹, internitopen hypogycaenia¹ Common dehydration, weight decreased Uncommon metabolic acidosis. Not known tumour lysis syndrome? <u>Hervous system disaadess</u> Very common headache Common peripheral neuropathy, dizziness Uncommon polyneuropathy, autoimmune neuropathy (including tacial and adducers nerve paresis). Rare Guildin-Barré syndrome, denyelination, myrsthenic syndrome, encephalitis²²¹ <u>Eve disaadess</u> Cammon blured vision, dry eje Uncommon weitis. Nat known VogeKayanagi-Haada syndromes <u>Cardiac disorders</u> Very common dyscardinis⁴², pericardial disorders', antryhtmia (Induding ventricular antryhtmia). <u>Voscular disorders</u> Cammon hypertension Rav eusculitis <u>Reginatory, thoracia and mediastinal disorders</u>, voog Cammon preumonitis⁴², pericardial disorders', antryhtmia (Induding ventricular antryhtmia). <u>Voscular disorders</u> Cammon hypertension Rav eusculitis <u>Reginatory, thoracia and mediastinal disorders</u>, voog Cammon preumonitis⁴², pericardial disorders', antryhtmia (Induding ventricular antryhtmia). pleural effusion Uncommon lung infiltration <u>Gostraintestinal disorders</u> Very common damboea, vamiling, nousea, abdominal pair, anostipation Common cultis's stamatilis, dry mouth Uncommon parcreatitis, gastritis Rare duodenal uker <u>Hepatobiliary disorders</u> Uncommon hepatitis', cholestasis <u>Skin and subcutaneous issue disorders</u> Very common relative prime common visition of prime common visitio unticaria Uncommon posicios, rescene, erythema multiforme Rave taxic epidemal necolysis^{ca} Stevens-Johnson syndromer, Not known licher sclerosos², other lichen disorders <u>Musculoskeletal and connective lissue disorders</u> Very common musculoskeletal pairi, arthralgia Common arthritis Uncommon polymplaja rheumatica Rave Spageri S syndrome, mycpathy, mycsitis (including polympositis)²; rhobadi mvolvsis Renal and univery disorders Common renal failure (including acute kidney ripury)* Rave halubiantestinia nephratics, cyretics noninfective¹ General disorders and administration site conditions Very common fatigue, pyrexia, sederan^{ac} Common pain, chest pain linestigations¹ Very common increased ASJ, hyponatorennia, hyponatorenni follicular, nsh maculair, nsh machilitorm, nsh papular, nsh pustular, nsh vesicular, editative nsh, demantitis calegia, demantitis allegia, demantitis bullous, demantitis bullous, demantitis editative, demantitis granicationm, dug eruption and pemplojaid. * Reported also in studes outside the pooled dataset. The frequency is based on the program-wide exposue. * Musculosk-leated pain is a composite term which includes back pain, hone pain, musculoskeletal chest pain, musculoskeletal desconfort, myalgia intercostal, neck pain, pain in externity, and spinal pain. Past-narketing event (also see section 4.4).¹ Reported in dinical studies and in the post-marketing setting. ¹ Pericardial disorders is a composite term which includes pericardial effusion, cardiac tamponade, and Dessher's syndame. I Anaemia is a composite term which includes, among other couses, haemolytic anaemia and autoimmune amoenia, haemoglobin decreased, ion deficiency anaemia and ed blood cell court decreased. I Includes adrend insofficiency, adrenocortical insofficiency and insoftic enceptabilitis. Tedema is a composite term which includes. generalised acedema, acedema peripheral, peripheral swelling and swelling. Wouldmath in combination with ipilimurnab (see section 4.2). Summary of the safety profile When nivolumab is administered in combination with ipilimurnab, refer to the SmPC for ipilimurnab prior to imitiation of the tanteent. For additional information on the safety profile of ipilimurnab monotherapy, please refer to the jailmurnab smPC. Melanama In the pooled dataset of nivolumob 1 mg/kg in combination with ipilimumab 3 mg/kg in melanama (n = 448) with minimum follow-up ranging from 6 to 28 months, the most frequent adverse reactions (> 10%), lorigine (46%), dirarhoea (43%), puritus (36%), puresa (19%), decreased appetite (1.6%), hypothyroidism (1.6%), colinis (1.5%), vorniting (1.4%), arthrolgia (13%), addominal pain (13%), beadache (11%), and dyspacea (10%). The majority of adverse reactions were mild to moderate (Grade 1 or 2). Among the patients treated with rivalumab 1 mg/kg in combination with iplimumab 3 mg/kg in (L209067, 154/313 (49%) had the first onset of Grade 3 or 4 odverse reactions during the initial combination phose. Among the 147 patients in this group who continued treatment in the single-ogent phase, 47 (32%) experienced at least one Grode 3 or 4 obserse reaction during the single-ogent phase. With a minimum of 90 months follow up from study (\$209667, no new safety signals were identified. <u>BCC and dMMR or MSH (RC</u>) in the pooled dataset of involumab 3 mg/kg in combination with ipilimumab 1 mg/kg access humou types (n = 666), with a minimum followup ranging from 17.5 to 27.6 months, the most frequent adverse reactions (>2 10%) were fatigue (58%), diardroad (41%), musculoskeletal pain (39%), rach (38%), portins (35%), nausea (30%), cough (29%), dodorninal pain (22%), decreased appetite (22%), operiregizatory toact infection (21%), voniting (21%), hopertension (10%). The majority of adverse reactions were mild to moderate (Grade 1 or 2). Among the patients treated with involumod 3 mg/kg in combination with iplimumab 1 mg/kg, 194/666 (29%) had the first created Grade 3 or 4 adverse reactions during the initial combination place. Among the 474 patients in this group who continued treatment in the single-opent place, 168 (35%) experienced at least one Grade 3 or 4 obverse reactions during the single-opent place. With a minimum of 60 months followup from study (22092)14 in RCC, no new safety signals were identified. <u>DSCC and MPM</u> in the pooled dataset of involumob 3 mg/kg in combination with ipilinumab 1 mg/kg across tumour types (n = 622), with a minimum followup ranging from 20 to 22,1 months, the most frequent adverse reactions (> 10%) were futigue (32%), tash, (31%), diamheer (27%), naused (23%), previo (21%), decreased oppetite (20%), constipation (20%), musculoskeletal pain (19%), prunimus (19%), hypothyroidsm (14%), adverse reactions were add to a combination with ipilinumab and 52% for chemotherapy alone, with 10% foral adverse reactions at the bar of the compatibule (21%), for involuence (23%), for involuence (23%), previo (21%), decreased oppetite (20%), constipation (20%), musculoskeletal pain (19%), prunimus (19%), hypothyroidsm (14%), adverse reactions were add to moderate (Grade 3 adverse reactions were 62% for nivolumab and 52% for chemotherapy alone, with 10% foral adverse reactions at the bar of the compatibule (11%). The majority of adverse reactions were mild to moderate (Grade 3 adverse reactions were 62% for nivolumab and 52% for chemotherapy alone, with 10% foral adverse reactions at the bar of the compatibule (11%). in combination with ipilinumab and 3.48 months (95% G: 3.45, 3.48) for chemotherapy. *Edulated summary of adverse reactions* Adverse reactions reported in the pooled dataset for patients treated with nivolumab 1 mg/kg in metanoma (n = 448), for patients treated with nivolumab 3 mg/kg in combination with pilinumab 3 mg/kg in metanoma (n = 448). CRC (n = 666), and for patients treated with involumeds 3 mg/kg in combination with plintumeds 1 mg/kg in CSCC and MPM. (n = 622) are presented in Table 7. These reactions are presented by system argun class and by frequency. Frequencies are defined as very common (≥ 1/10); common (≥ 1/10); to mom (< 1/10); to dMR or MS1H CRC upper registary that infection Windowshi pag/kg in combination with pilimumab 1 mg/kg in CSC and MPR in spear registary that infection Windowshi pag/kg in combination with pilimumab 3 mg/kg in combination with pilimumab 1 mg/kg in CSC and MPR in spear registary that infection Windowshi pag/kg in combination with pilimumab 1 mg/kg in CSC and MPR in spear registary that infection Windowshi pag/kg in combination with pilimumab 1 mg/kg in CSC and MPR in spear registary that infection Windowshi pag/kg in combination with pilimumab 1 mg/kg in CSC and MPR in SUE and WINR or MS1H GSC and MPR in SUE and WINR or MS1H GSC and MPR in spearains' Monotons in mg/kg in combination with pilimumab 1 mg/kg in combination with pilimumab 3 mg/kg in combination with pilimumab 1 mg/kg in CSC and MPR in SUE and WINR or MS1H GSC and MPR in settorements' knowloads 1 mg/kg in combination with pilimumab 1 mg/kg in CSC and MPR in settorements' Monotony Companie's Monotony Copeanie's (accopative), thrombocytopeanie's (accopative), thrombocytopeanie's, thrombocytopeanie's, thrombocytopeanie's, thrombocytopeanie's, thrombocytopeanie's (accopative), thrombocyto Hetbolism and nutrition disorders Very common Kinolumids¹ mg/kg in combination with ipilinumeds 3 mg/kg in acmbination with ipilinumeds 1 mg/kg in SSCC and

NPM: decreased appetite, hyperglycaenia¹⁴, hypoglycaenia¹⁴, hypogl 1 mg/kg in combination with ipilinumab 3 mg/kg in melanoma: peripheral neuropathy, dzzieses. Nivolumab 3 mg/kg in combination with ipilinumab 3 mg/kg in melanoma: peripheral neuropathy, dzzieses. Nivolumab 1 mg/kg in combination with ipilinumab 1 mg/kg in combination with ipilinumab 1 mg/kg in combination with ipilinumab 3 mg/kg in melanoma: peripheral neuropathy, dzzieses. Nivolumab 1 mg/kg in combination with ipilinumab 3 mg/kg in melanoma: peripheral neuropathy, dzzieses. Nivolumab 1 mg/kg in combination with ipilinumab 3 mg/kg in melanoma: peripheral neuropathy, dzzieses. Nivolumab 1 mg/kg in combination with ipilinumab 3 mg/kg in melanoma: peripheral neuropathy, dzzieses. Nivolumab 1 mg/k (including facial and adducers nerve parcesis), encephalinis Nivolumab 3 mg/Ag in combination with ipilimumab 1 mg/Ag in combination with ipilimumab 1 mg/Ag in CCC and JUNIX: encephalinis E<u>ve discuders</u> Common Nivolumab 1 mg/Ag in combination with ipilimumab 3 mg/Ag in combination with ipilimumab 1 mg/Ag in CCC and JUNIX: encephalinis Eve discuders Common Nivolumab 1 mg/Ag in combination with ipilimumab 3 mg/Ag in combination with ipilimumab 1 mg/Ag in combination with ipilimumab 1 mg/Ag in CCC and JUNIX: encephalinis Eve discuders Common Nivolumab known Nivolumab 1 mg/kg in combination with ipilinumab 3 mg/kg in melanona : Vogt-Kayanagi-Harada syndome? Cardac discretes: Common Nivolumab 1 mg/kg in combination with ipilinumab 3 mg/kg in combination with ipilinumab 3 mg/kg in combination with ipilinumab 3 mg/kg in melanoma: anhytmia (including venticular anhythmia); utial fibrillation, mycoatilities Wioulanda 3 mg/kg in combination with ipilimumda 1 mg/kg in CCC and JUMX: mycoatilities Wioulanda 3 mg/kg in combination with ipilimumda 1 mg/kg in combination with ipilimumda 1 mg/kg in combination with ipilimumda 3 mg/kg in combination with ipilimumda 1 mg/kg in combination with ipilimumda 3 mg/kg in melanoma: periorabid disorders Viscular disorder effusion Nivolumdu 3 mg/kg in combination with ipilinumadu 1 mg/kg in oSCC and NPM: pneumonities" Uncommon Nivolumadu 1 mg/kg in combination with ipilinumadu 3 mg/kg combination with ipilinumab 1 mg/Ag in CC and dMMR or MS1 H CRC: colific, stomattis, purcentifis, purcentifis, Benetabiliary disculers Grannon Nivolumab 1 mg/Ag in CC and AMPR: colifs, parcentifis Uncommon Nivolumab 1 mg/Ag in combination with ipilinumab 3 mg/Ag in combination with ipilinumab 3 mg/Ag in CC and AMPR: colifis, parcentifis, purcentifis, pur kg in combination with ipilimumda 3 mg/kg in melanoma: hepatitis Wivolumob 3 mg/kg in combination with ipilimumda 1 mg/kg in RC hepatitis Wivolumob 3 mg/kg in combination with ipilimumda 1 mg/kg in CRC hepatitis Wivolumob 3 mg/kg in combination with ipilimumda 1 mg/kg in CRC hepatitis Wivolumob 3 mg/kg in combination with ipilimumda 1 mg/kg in CRC hepatitis Wivolumob 3 mg/kg in combination with ipilimumda 1 mg/kg in CRC hepatitis Wivolumob 3 mg/kg in combination with ipilimumda 1 mg/kg in CRC hepatitis Wivolumob 3 mg/kg in combination with ipilimumda 1 mg/kg in CRC hepatitis Wivolumob 3 mg/kg in combination with ipilimumda 1 mg/kg in CRC hepatitis Wivolumob 3 mg/kg in combination with ipilimumda 1 mg/kg in CRC hepatitis Wivolumob 3 mg/kg in combination with ipilimumda 1 mg/kg in CRC hepatitis Wivolumob 3 mg/kg in combination with ipilimumda 1 mg/kg in CRC hepatitis Wivolumob 3 mg/kg in combination with ipilimumda 1 mg/kg in CRC hepatitis Wivolumob 3 mg/kg in combination with ipilimumda 1 mg/kg in CRC hepatitis Wivolumob 3 mg/kg in combination with ipilimumda 1 mg/kg in CRC hepatitis Wivolumob 3 mg/kg in combination with ipilimumda 1 mg/kg in CRC hepatitis Wivolumob 3 mg/kg in combination with ipilimumda 1 mg/kg in CRC hepatitis Wivolumob 3 mg/kg in combination with ipilimumda 1 mg/kg in CRC hepatitis Wivolumob 3 mg/kg in combination with ipilimumda 1 mg/kg in CRC hepatitis Wivolumob 3 mg/kg in combination with ipilimumda 1 mg/kg in CRC hepatitis Wivolumob 3 mg/kg in CRC hepatitis Wivo points: Nivolumab 3 mg/kg in combination with ipilinumab 1 mg/kg in KCC and dWMK or NSH CRC: nesh; pounts, dry skin, Woolumab 3 mg/kg in combination with ipilinumab 1 mg/kg in KC and dBWK or NSH CRC: nesh; pounts, dry skin, erythema, adoption, unicate Nivolumab 3 mg/kg in combination with ipilinumab 3 mg/kg in combination with i othe licken disorders <u>Nusculoskeletal and connective tissue disorders</u> Very common Nivolumab 3 mg/kg in combination with pilimumab 3 mg/kg in com and <u>urinary disedes</u> Common Nivolumob 1 mg/kg in combination with ipilimumob 3 mg/kg in melanoma: rend failure (including acute kidney nipry)¹¹ Nivolumob 3 mg/kg in combination with ipilimumob 1 mg/kg in CSC and AVMR or NSI H CRC: traduointestitial nephnitis, cystitis noninfective¹ Nivolumob 3 mg/kg in combination with ipilimumob 1 mg/kg in combination with ipilimumob 1 mg/kg in combination with ipilimumob 1 mg/kg in combination with ipilimumob 3 mg/kg in combination with ipilimumob 1 mg/kg in CSC and AVMR or NSI H CRC: traduointestitial nephnitis, cystitis noninfective¹ Nivolumob 3 mg/kg in combination with ipilimumob 1 mg/kg in CSC and AVMI or NSI H CRC: traduointestitial nephnitis, cystitis noninfective¹ Nivolumob 3 mg/kg in combination with ipilimumob 1 mg/kg in RCC and discless and administration is noninfective¹ Nivolumob 3 mg/kg in combination with ipilimumob 1 mg/kg in RCC and discless and administration vith ipilimumob 1 mg/kg in RCC and discless and administration vith ipilimumob 1 mg/kg in RCC and discless and administration vith ipilimumob 1 mg/kg in RCC and discless and administration vith ipilimumob 1 mg/kg in RCC and discless and administration vith ipilimumob 1 mg/kg in RCC and discless and administration vith ipilimumob 1 mg/kg in RCC and discless and administration vith ipilimumob 1 mg/kg in RCC and discless and administration vith ipilimumob 1 mg/kg in RCC and discless and administration vith ipilimumob 1 mg/kg in RCC and discless and administration vith ipilimumob 1 mg/kg in RCC and discless and administration vith ipilimumob 1 mg/kg in RCC and discless and administration vith ipilimumob 1 mg/kg in RCC and discless administration vith ipilimumob 1 mg/kg in RCC and discless administration vith ipilimumob 1 mg/kg in RCC and discless administration vith ipilimumob 1 mg/kg in RCC and discless administration vith ipilimumob 1 mg/kg in RCC and discless administration vith ipilimumob 1 mg/kg in RCC and discless administratin RCC administratin RCC administration vith ipilimumob 1 mg/kg in Ting/kg in combination with plinumab 3 mg/kg in melanoma: externa (including perpleval externa), pain Nivolumb 3 mg/kg in combination with plinumab 1 mg/kg in combination with plinumab 1 mg/kg in combination with plinumab 3 mg/kg in combination with plinumab 1 mg/kg in combination with plinumab 3 mg/kg in combination with plinumab 3 mg/kg in combination with plinumab 3 mg/kg in combination with plinumab 1 mg/kg in combination with plinumab 3 mg/kg in combination with plinumab 1 mg/kg in combination with plinumab 3 mg/kg in combination with plinumab 1 mg/kg in combination with plinumab 3 mg/kg in combination with plinumab 3 mg/kg in combination with plinumab 1 mg/kg in combination with plinumab 3 mg/kg in combination with plinumab 1 mg/kg in combination with plinumab 3 mg/kg in combination with plinumab 1 mg/kg in combination with plinumab 3 mg/kg in combination with plinumab 1 mg/kg in combination with plinumab 3 mg/kg in combination with plinumab 1 mg/kg in creatinine, hypokalaenia, hyperalaenia, hyperalaenia ikivatie and interest of anylase (annova Nivolumab 1 mg/kg in combination with ipilimumab 1 mg/kg in combination with ipi in OSCC and ARPII: hypenatoreania, hypermagnessenia * Fatal cases have been reported in completed or ongoing chical studies. * Tequencies of laboratory messaring from toseline in completed or ongoing chical studies. * Tequencies of laboratory terms reflect the proportion of patients who experienced avorsaning from toseline in laboratory messaring from toseline in laboratory messaring from toseline in tobaratory messaring from toseline in laboratory messaring from toseline in laboratory messaring from toseline in laboratory messaring from toseline in tobaratory messaring from toseline in completed or ongoing chical studies. * Resh is a composite term which includes mesulopation resh palabative, edmantilis gravitation, drug eruption and pempligioid. *Reported also in studies outside the pooled datuset. The frequency is based on the program-wide exposue. ¹ Musculoskeletal pin is a composite term which includes back pain, hone pain, musculoskeletal chest pain, musculoskeletal discomfart, myaligia, neck pain, pain in externity, and spinal pin .¹ Post-marketing event (also see section 4.4) *Reported in chincal studies and in the post-marketing setting, Pericardial disorders is a composite term which includes pericardiar, pericardial effician, conduct tamponade, and Dressler's syndrome. I Anoemia is a composite term which includes, among other causes, hoemolyfic anoemia and autoimmune amoenia. <u>Nivolumab in combination with other therappartic agents (see section 4.2)</u> Summary of the safety partie Ween involumab is administered in combination, refer to the SmPC for the respective combination with other therappartic agents (see section 4.2) Summary of the safety partie Ween avoid the antipication with a minimum follow-up ranging from 12.1 to 20 months, the most frequent adverse reactions (> 10%) werenausea (53%), perpheral neuropathy (43%), fatigue (41%), diartheea (37%), decreased appetite (35%), constituation (30%), vorniting (29%), stornatifis (25%), addominal pain (23%), pyrevia (19%), rosh (17%), mosuloskeletal pain (17%), cough (14%), oedema (including peripheral exection (3%), headache (10%). Incidences of Grade 3.5 adverse reactions were 76% for rivolumab in comb with demotherapy and 62% for chernotherapy longe, with 1.4% fatal adverse reactions attributed to involumab in combination with chernotherapy including pneumonia, febrile neutropoenia, thombosis, pneumoniis, diarcheea, and rend failue. Median duration of therapy was 6.44 months (95% CI: 5.95, 6.80) for nivolumab in combination with chernotherapy including pneumonia, febrile neutropoenia, thombosis, pneumoniis, diarcheea, and rend failue. Median duration of therapy was 6.44 months (95% CI: 5.95, 6.80) for nivolumab in combination with chernotherapy in SCIC (n = 358), with a minimum followup of 6.5 months, the most frequent adverse reactions were fatigue (36%), nauser (26%), nais (25%), diarcheea (20%), puritus (18%), decreased appetite (16%), hypothypoidism (15%), and varniting (13%). The majority of adverse reactions were mild to modente (Grade 1 or 2). Median duration of theory was 6.1 months (95% CI 4.93, 7.06) for involumab in combination with julinumada and chemotherapy and 2.4 months (95% CI 2.30, 2.83) for chemotherapy. Tabulated summary of adverse reactions subset for patients treated with nivolumab 240 mg every 2 weeks or 300 mg every 3 weeks in combination with cheronherapy in ISCLC (in = 358) are presented in Table 8. These reactions are presented by system argun class and by frequency, requests or 300 mg every 3 weeks in combination with plintumb 360 mg every 3 weeks in combination with plintumb 1mg/kg every 6 weeks and 2 cycles of cheronherapy in ISCLC (in = 358) are presented in Table 8. These reactions are presented by system argun class and by frequency, requescies are defined as: very common (≥ 1/10); common (≥ 1/10); to to < 1/100; rare (≥ 1/10,000 to < 1/100); rev rare (< 1/10,000), not known (cannot be estimated from available post morketing data). Within each frequency grauping, adverse reactions are presented in the order of decreasing seriousness. Table 8. Adverse reactions with plintumb 1. The order of decreasing seriousness. Table 8. Adverse reactions with plintumb 1. Table 9. The order of decreasing seriousness. Table 8. Adverse reactions with plintumb 1. Table 9. The order of decreasing seriousness. Table 8. Adverse reactions with plintumb 1. Table 9. The order of decreasing seriousness. Table 8. Adverse reactions with plintumb 1. Table 9. The order of decreasing seriousness. Table 8. The order of decreasing seriousness. Table 8. Adverse reactions with plintum 0. Table 9. The order of decreasing seriousness. Table 9. The order of decreasing series series of the order of decreasing series series of the order of decreasing series series of the order of decrea nivolumob in combination with other therapeutic agents Infections and Infestations Common Nivolumab in combination with demotherapy: conjunctivitis, pneumonia, respiratory hard infections. Bood and Jurgatatic system disorders Very Common Nivolumab in combination with demotherapy: neutopeania', ancennia', leucopeania', Internationa with ipilimumab and cherronherapy; cancernia', Montocytopeania', Internationa with pilimumab and cherronherapy; cancernia', Montocytopeania', Internationa with cherronherapy; febrile neutopeania' Nicolumab in combination with pilimumab and cherronherapy; cancernia', Montocytopeania', Internationa with cherronherapy; febrile neutopeania' Nicolumab in combination with pilimumab and cherronherapy; cancernia', Montocytopeania', Internationa with cherronherapy; febrile neutopeania' Nicolumab in combination with pilimumab and cherronherapy; tebrile description Nicolumab in combination with pilimumab and cherronherapy; estina disarders Common Nicolumab in combination with pilimumab and cherronherapy; febrile description Nicolumab in combination with pilimumab and cherronherapy; estina disarders Common Nicolumab in combination with cherronherapy; febrile neutopeania', Montocytopeania', Montocytopeania', Internationa with pilimumab and cherronherapy; estina disarders Common Nicolumab in combination with pilimumab and cherronherapy; estina disarders Common Nicolumab in combination with pilimumab and cherronherapy; estina disarders Common Nicolumab in combination with pilimumab and cherronherapy; estina disarders Common Nicolumab in combination with pilimumab and cherronherapy; estina disarders Common Nicolumab in combination with pilimumab and cherronherapy; estina disarders Common Nicolumab in combination with pilimumab and cherronherapy; estina disarders Common Nicolumab in combination with pilimumab and cherronherapy; estina disarders Common Nicolumab in combination with pilimumab and cherronherapy; estina disarders Common Nicolumab in combination with pilimumab and cherronherapy; estina disarders Common Nicolumab in combination with pilimumab and cherronherapy; estina disarders Common Nicolumab in combination with pilimumab and cherronherapy; estina disarders Common Nicolumab in combination with pilimumab and cherronherapy; estina disarders Common Nicolumab in combi with ipilinumds and chenothenyy: hypothynoidsm Common Nivolumds in combination with chenothenayy: hypothynoidsm, advent insufficiency, hypothynoidsm, advent insufficiency hypothynoidsm, advent insufficiency, hypothynoidsm, advent insufficiency, hypothynoidsm, advent insufficiency with ipilimuma and chemotherapy: hypophinitarism, hypoparathyriadism Rave Nivolumab in combination with chemotherapy. Hypophyriatism: hypophyriatism: hypoparathyriadism Rave Nivolumab in combination with chemotherapy. Hypophyriatism: hypophyriatism in combination with chemotherapy: papendaminosemia Nisolumada in combination with igilinrumada and chemotherapy; delydiation, hypoabuminosemia Nisolumada in combination with chemotherapy; perpenden auropathy, headade Common Nisolumada in combination with chemotherapy; papendaminosemia Nisolumada in combination with chemotherapy; perpendendaminosemia Nisolumada in jalinumab and chenotherapy; perjaheral neuropathy, dizziness Uncommon Nivolamab in combination with jalimumab and chenotherapy; cayleneuropathy, autoimmune neuropathy (including facial and abduens nerve paresis); exceptabilis Rure Nivolumab in combination with particular y eye, blured vision Nivolumab in combination with pilmumab and chernotherapy; duy eye Uncommon Nivolumab in combination with demotherapy; blured vision, episdentis <u>Cardox discudes</u> Common Nivolumab in combination with demotherapy; rectycardia Uncommon Nivolumab in combination with demotherapy; rectycardia Uncommon Nivolumab in combination with demotherapy; recycardia Nivolumab in combination with ipilinumab and chemothempy: todystardia, <u>disorders (assubers (common Nivolumab in combination with demothempy: hypertension (assubers); hypertension (</u> Wolumah in combination with demotherapy: pneumonitis¹, dyspaces Wolumah in combination with diamunah and chemotherapy; pleural efficion Gastrointestinal disorders Very common Wolumah in combination with demotherapy; generative standing on the combination with demotherapy and chemotherapy and Wouldmade in combination with ipilimumade and cheronherapy; nauseed, diarthoeau, vomiting Common Wivolumade in combination with ipilimumade and cheronherapy; costispation, stornatifis, addominal pain, calitis, dy mouth, paracentiis llucommon Wivolumade in combination with cheronherapy; costispation, stornatifis, addominal pain, calitis, dy mouth, paracentiis llucommon Wivolumade in combination with cheronherapy; costispation, stornatifis, addominal pain, calitis, dy mouth, paracentiis llucommon Wivolumade in combination with cheronherapy; costispation, with cheronherapy; costispation, stornatifis, addominal pain, calitis, dy mouth, paracentiis llucommon Wivolumade in combination with cheronherapy; costis Nivolumab in combination with ipilimumab and chemotherapy: hepatitis Uncommon Nivolumab in combination with chemotherapy: hepatitis Subin and subcutaneous fissue diseades Very common Nivolumab in combination with chemotherapy: hepatitis Subin and subcutaneous fissue diseades Very common Nivolumab in combination with chemotherapy: hepatitis Subin and subcutaneous fissue diseades Very common Nivolumab in combination with chemotherapy: hepatitis Subin and subcutaneous fissue diseades Very common Nivolumab in combination with chemotherapy: hepatitis Subin and subcutaneous fissue diseades Very common Nivolumab in combination with chemotherapy: hepatitis Subin and subcutaneous fissue diseades Very common Nivolumab in combination with chemotherapy: hepatitis Subin and subcutaneous fissue diseades Very common Nivolumab in combination with chemotherapy: hepatitis Subin and subcutaneous fissue diseades Very common Nivolumab in combination with chemotherapy: hepatitis Subin and subcutaneous fissue diseades Very common Nivolumab in combination with chemotherapy: hepatitis Subscription of the combination of the co entradyosesthors's syndrome analysis is hyveroiametation docers, day skin, enthema Wiolamah in combination with isilimumah and cherotherany, contrists. Stevers-barson syndrome vitilia Nat known Wiolamah in combination with isilimumah and cherotherany licker stevers other licken disorders <u>Musculockeletal and connective Tissue disorders</u> Very common Nivolumab in combination with chenotherapy; arthralgia, muscular weakness. Nivolumab in combination with pilimumab and chenotherapy; musculoskeletal pair, cambralgia, arthralgia, muscular weaknes chemotherapy; muscular weakness, muscle spasms, polymylagia heumatica Renal and urinary disardess Common Nivolumab in combination with chemotherapy; renal failure 1*Nivolumab in combination with planturabe and chemotherapy; renal failure (including acute kidney injury) Uncommon Nivolumab in combination with chemotherapy; renal failure 1*Nivolumab in combination with planturabe and chemotherapy; renal failure and cherrotherapy; cystifis noninfective? Rave Nivolumab in combination with cherrotherapy; nepticing. expension, experision, pyrexia, acelema (including peripheral acelema) lincommon Nivolumah in combination with iplinimunda and chemotherapy; chills, chest pain Investigations Vey common Nivolumah in combination with chemotherapy; hypocalcenia; increased transminuses; hypocaterenia; increased acelinine; increased acel acelema in constrainter procession with chemotherapy; chills, chest pain Investigations Vey common Nivolumah in combination with chemotherapy; hypocaterenia; increased transminuses; hypocaterenia; increased transminuses; hypocaterenia; increased acelema hypekadeemiar, increased total killuktiin; hypenatoremia Wisolumak in combination with ipilmunab and cherrotherapy: hyperclacemiar; kincensed entrinine; increased anylose; kincekade lipase; hypokadeemiar; hyponatoremiar Common Nivolumak in combination with demotherapy; hyperclacemiar; hypomatoresave lipase; hypokadeemiar; hyponatoremiar Common Nivolumak in combination with pilmunab and cherrotherapy; hyperclacemiar; hypomatoresave lipase; hypokadeemiar; hyponatoresave lipase; hypokadeemiar; hyponatoresave lipase; hypokadeemiar; hyponatoremiar Common Nivolumak in combination with generatoremiar; hyporatoresave lipase; hypokadeemiar; hyponatoresave lipase; hypokadeemiar; hyponatoresave lipase; hypokadeemia with ipilinumab and chemotherapy: increased total bilindain; increased thyrid stimulating homone Uncommon Nivolumab in combination with ipilinumab and chemotherapy: increased gammo-glutamy/hansferase. * Rash is a composite term which includes maculopopular rash, rash erythematus, rash pruntic, rash moralinf, rash popular, rash generalised, demathis, demathis coneform, demnafilis allegic, demnafilis artopic, demnafilis trapic, demnafilis bullous, dug enoption, and exfoliative rash, rash vescular. *Mosculoseletati pini is a composite term which includes back pain, pani pini, musculoseletati drest pain, myneligia, neck pain, pain in entemnity, spinial pain, and musculoseletati disconfort. *Fequencies of laboratory terms reflect the proportion of patients who experienced a worsening from baseline in laboratory measurements. See "Description of selected adverse reactions; laboratory abnormatines" below. I Amornia is a composite term which includes ion deficiency anaemia, and haemoglobin decreased. Reported in clinical studies and in the postmarketing setting. Lifethreatnening cases have been reported in completed or anging clinical studies. completed or organing clinical studies. Windowski in combination with cabacantinib (see section 4.2) Summary of the safety partile When involumeds is administered in combination with cabacantinib, refer to the SmPC for cabacantinib prior to initiation of treatment. For additional information on the safety partie of cabacantinib more therein, please refer to the cabacantinib SmPC. <u>RCC</u> In the dataset of rivolumab 240 mg every 2 weeks in combination with cabazontinity 40 mg once daily in RC (n=320), with a minimum followup of 16.0 months, the most frequent adverse teactions (> 10%) wee diarrhoea (64.7%), futipee (51.3%), painter-planter erythrodysaesthesia syndrome (40.0%), standitis (38.8%), musculeskeletul pain (37.5%), hypertension (37.2%), hypertension (35.6%), decreased appethe (30.3%), nausea (28.8%), abdomind pain (25.0%), dyspuesia (23.8%), uppet respiratory that infection (20.6%), cough (20.5%), printing (19.4%), vomiting (19.4%), vomiting (18.4%), dysphania (17.8%), headache (16.3%), dyspepsia (15.9%), dizzines (14.1%), prevenue (13.4%), muscle spasm (12.2%), dyspinea (11.4%), previning (19.4%), printervini (10.9%) and hyperthyroidism (10.0%). The majority of objects reactions were mild to moderate (Grade 1 or 2). Tobulated summary of objects reactions reported in the dataset for potient's treated with nivolumab 240 mg in combination with cobocantinb 40 mg (n = 320) are presented in Table 9. These reactions are presented in the dataset of potient's treated with nivolumab 240 mg in combination with cobocantinb 40 mg (n = 320) are presented in Table 9. These reactions with an available post marketing data). Within each frequency grouping, advese reactions are presented in the order of decreasing seriousness. Table 9: Adverse reactions with nivolumab in combination with cabocantinb lifections and infestinates (Very and the second seco upper respiratory tract infection Common preumonics <u>Blood and Jumphatic system disorders</u> Very common anoeniar', thrombocytopeniar', levcopoeniar', Jumphopeniar', neutropeniar' Common essinophilia, <u>Immune system disorders</u> Common hypersensitivity (including anaphylactic reaction) Uncommon infusion related hypersensitivity reaction; <u>Endocrine disorders</u> Very common hypothyroidism, hyperthyroidism Common datend insufficiency Uncommon hypophysitis, thyprolificis, <u>Nettobolism and nutition disarders</u> Very common decreased appetite, hypoglycaenia⁺, hyperglycaenia⁺, weight decreased Common dehydration; <u>Nervous system disarders</u> Very common dysgessio, dizines, headade Common peripheral neuropathy Uncommon encephalitis autoimmune, Guillain-Bané syndrome, myosthenic syndrome; <u>Far and</u> <u>labyrinth disarders</u> Common finitus; <u>Fue disarders</u> Common dry eye, blumed vision Uncommon encephalitis autoimmune, Guillain-Bané syndrome; <u>Far and</u> Gastraintestinal discutes: Vey common diarhoea, vomiting, nausea, constipation, stomatifis, dodominal pain, dyspepsia Common claifis, gastritis, oral pain, dry mouth, haemorthoids Uncommon pancreatifis, small intestine perforution², glossodynia, <u>Hegatabilitary discutes</u> Common hepatifis; <u>Stim and subcuteneus tissue discutes</u>. Very common palmarylantar erythrodyseesthesia syndrome, nsh², puritus Common objecia, dry skin, erythema, hair colour dange Uncommon positisis, urticaria Not Known lichen Scleepsis, other lichen disordes, <u>Musculesteletal and comenchie Issue disordes</u> Very common musculeskeletal pairf, anthrolgia, muscle spasm Common anthritis Uncommon myopathy, actenencosis of the jaw, fishula, <u>Read and uninary disordes</u> Very common proteinuia Common end failue, ocute kidney injury Uncommon nephritis Rare cystitis noninfectivel ; <u>General disorders and administration site conditions</u> Very common fatigue, pyrexia, oedema Commongenic, hest pairc <u>Investigations</u> Very common increased alcaline phosphatuse, increased Islandi, increased Indiani, increased and <u>initiary disorders</u> Very common fatigue, pyrexia, oedema Commongenic, hest pairc <u>Investigations</u> Very common increased alcaline phosphatuse, increased alcaline phosphatuse, increased Islandi <u>initiary disorders</u> Very common fatigue, pyrexia, oedema Commongenic, hest pairc <u>Investigations</u> Very common increased alcaline phosphatuse, increased alcaline phosphatuse, increased Islandi <u>initiary disorders</u> Very common fatigue, pyrexia, oedema Commongenic, hest pairc <u>Investigations</u> Very common increased alcaline phosphatuse, increased ASI, increased Islandi <u>initiary disorders</u> Very common fatigue, pyrexia, oedema Commongenic, hest pairc <u>Investigations</u> Very common fatigue, pyrexia, oedema Commongenic, hest pairc <u>Investigations</u> Very common fatigue, pyrexia, oedema Commongenic, hest pairc <u>Investigations</u> Very common fatigue, pyrexia, oedema Commongenic ASI, increased Islandi <u>Investigations</u> Very common fatigue, pyrexia, oedema Commongenic ASI, increased Islandi <u>Investigations</u> Very common fatigue, pyrexia, oedema Commongenic ASI, increased Islandi Is hyperackeenia, hypophosphateenia, hyperhaloenia, hypernatoenia Common blood cholesterol increased, hypertriglyceridoenia Advese erotion frequencies presented in Table 9 may not be fully attributable to nivolumab alone but may contain contributions from the underlying disease or from medicinal product used in combination. "Thromboss is a composite term which includes portal vein thrombosis, pulmonary vein thrombosis, partice di montosis, conte thrombosis, conte thrombosis, conte thrombosis, partice dennatifis dennatifis adentatifis adentatifis dennatifis adentatifis ad from baseline in laboratory messurements (with the exception of blood cholesterol increased, and hypertrig/verideemia). See "Description of selected adverse reactions; blooratory abnormalities" below¹ Reported in clinical studies and in the postmarketing setting, <u>Description of selected adverse reactions</u>; blooratory abnormalities" below¹ Reported in clinical studies and in the postmarketing setting, <u>Description of selected adverse reactions</u>; blooratory abnormalities" below¹ Reported in clinical studies and in the postmarketing setting, <u>Description of selected adverse reactions</u>; blooratory abnormalities" below¹ Reported in clinical studies and in the postmarketing setting, <u>Description of selected adverse reactions</u>; blooratory abnormalities" below¹ advese reactions. With appropriate medical therapy, immune-telated obvese reactions resolved in most cases. Permanent discontinuation of treatment was required in a greater proportion of patients receiving nivolanab in combination with iplimumab or cabozantinib than in those receiving nivolamab monotherapy. Tables 10 and 11 present the percentage for immune-telated advese reactions with appropriate medical therapy, immune-telated adveses reactions who were permanently discontinued from treatment by dosing regimen. Additionally, for patients who experienced on event, Tables 10 and 11 present the percentage of patients who required high-dose conticosteroids (at least 40 mg daily predinisone equivalents) by dosing regimen. The management guidelines for these adverse reactions leading to permanent discontinuation or requiring high-dose corticosteroids by dosing regimen (nivolumab monotherapy or nivolumab in combination with ipilimumab). Immune related adverse reaction leading to permanent discontinuation 3 mg/kg ar 240 mg monotherapy % : 1.5 Wolumab 1 mg/kg in combination with jalimumda 3 mg/kg in melanona % 2.0 livolumab 3 mg/kg in combination with jalimumab 1 mg/kg in KC and dMMR or NSI H CRC % 2.3 livolumab 3 mg/kg in combination with jalimumab 3 mg/kg in combination with jalimumab 3 mg/kg in combination with jalimumab 3 mg/kg in melanona % 1.6 livolumab 1 mg/kg in combination with jalimumab 3 mg/kg in melanona % 1.6 livolumab 3 mg/kg in combination with jalimumab 3 mg/kg in melanona % 1.6 livolumab 1 mg/kg in combination with jalimumab 3 mg/kg in combi combination with ipilimumab 1 mg/Ag in RCC and dWWR of MSI H CRC % 3.6 Nivolumab 3 mg/Ag in combination with ipilimumab 1 mg/Ag in OSCC and MPM% 3.1 Heanting Nivolumab 3 mg/Ag or 240 mg monotherapy %: 0.9 Nivolumab 1 mg/Ag in combination with ipilimumab 3 mg/Ag in combination with ipilimumab 1 mg/Ag in OSCC and MPM% 3.1 Heanting Nivolumab 3 mg/Ag or cand and Nar of NSI H CRC %: 4.5 Nivolumab 3 mg/Ag in combination with ipilimumab 3 mg/Ag in co Nivolumed 3 mg/kg or 240 mg montherapy %: 0.6 Nivolumed 1 mg/kg in combination with ipilimumed 3 mg/kg in combination with ipilimumed 1 mg/kg or 240 mg monotherapy monomed ang sign 2 even in monomed ang sign a monom 3 mg/kg in melanoma %: 46 Nivolumab 3 mg/kg in combination with ipilinumab 1 mg/kg in Contination with ipilinumab 3 mg/kg in combination with ipilinumab 1 mg/kg in combination with ipilinumab 1 mg/kg in combination with ipilinumab 3 mg/kg in combination with ipilinumab 3 mg/kg in combination with ipilinumab 3 mg/kg in combination with ipilinumab 1 mg/kg in combination with ipilinumab 3 mg/kg in combination with ipilinumab 1 mg/kg in SSCC and MPMK:38 Hg/hits and read dystanction With ipilinumab 3 mg/kg in combination wit min more receiving with a second and the second and 360 mg in combination with chemotherapy %: 3.3 Nivolumab 360 mg in combination with julinumab 1 mg/kg and chemotherapy in NSLIC %: 1.4 Nivolumab 240 mg in combination with cabacantinib 40 mg in RC %: 0.6 Educationapathies Nivolumab 240 mg or 360 mg in combination with plantament 1 mg/kg and chemotherapy in NSLIC %: 1.4 Nivolumab 240 mg in combination with cabacantinib 40 mg in RC %: 0.6 Educationapathies Nivolumab 240 mg or 360 mg in combination with plantament 1 mg/kg and chemotherapy in NSLIC %: 1.4 Nivolumab 240 mg in combination with cabacantinib 40 mg in RC %: 0.6 Educationapathies Nivolumab 240 mg or 360 mg in combination with plantament 1 mg/kg and chemotherapy in NSLIC %: 1.4 Nivolumab 240 mg in combination with cabacantinib 40 mg in RC %: 0.6 Educationapathies Nivolumab 240 mg or 360 mg in combination with plantament 1 mg/kg and chemotherapy in NSLIC %: 1.4 Nivolumab 240 mg in combination with cabacantinib 40 mg in RC %: 0.6 Educationapathies Nivolumab 240 mg or 360 mg in combination with plantament 1 mg/kg and chemotherapy in NSLIC %: 1.4 Nivolumab 240 mg in combination with cabacantinib 40 mg in RC %: 0.6 Educationapathies Nivolumab 240 mg or 360 mg in combination with plantament 1 mg/kg and chemotherapy in NSLIC %: 1.4 Nivolumab 240 mg in combination with cabacantinib 40 mg in RC %: 0.6 Educationapathies Nivolumab 240 mg or 360 mg in combination with plantament 1 mg/kg and chemotherapy in NSLIC %: 1.4 Nivolumab 240 mg in combination with cabacantinib 40 mg in RC %: 0.6 Educationapathies Nivolumab 240 mg or 360 mg in combination with cabacantinib 40 mg in RC %: 0.6 Educationapathies Nivolumab 240 mg or 360 mg in combination with cabacantinib 40 mg in RC %: 0.6 Educationapathies Nivolumab 240 mg or 360 mg in combination with cabacantinib 40 mg in RC %: 0.6 Educationapathies Nivolumab 240 mg or 360 mg in RC %: 0.6 Educationapathies Nivolumab 240 mg or 360 mg in RC %: 0.6 Educationapathies Nivolumab 240 mg or 360 mg in RC %: 0.6 Educationapathies Nivolumab 240 mg or 360 mg in RC %: 0.6 Educationapathies %: 2.0 Wivelunds 240 mg in combination with cabazantinis 40 mg in RCC %: 1.3 <u>Kin</u> Wivelunds 240 mg or 350 mg in combination with demontherapy %: 1.0 Wivelunds 240 mg or 350 mg in combination with iplimunds 1 mg/kg and chemotherapy in NSIC %: 1.1 Wivelunds 240 mg in combination with cabazantinis 40 mg in RCC %: 2.2 <u>Hypersensitivity/Influsion reaction</u> Wivelunds 240 mg or 360 mg in combination with demontherapy in NSIC %: 1.1 Wivelunds 240 mg in combination with advecantinis 40 mg in RCC %: 2.5 Wivelunds 360 mg in combination with cabazantinis 40 mg in RCC %: 2.5 Wivelunds 360 mg in combination with advecantinis 40 mg in RCC %: 2.5 Wivelunds 240 mg or 360 mg in combination with advecantinis 40 mg in RCC %: 3.5 Kivelunds 240 mg in combination with advecantinis 40 mg in RCC %: 5.5 Collins Wivelunds 240 mg or 380 mg in combination with chenotherapy %: 8 Wivelunds 360 mg in combination with advecantinis 40 mg in RCC %: 5.5 Collins Wivelunds 240 mg or 380 mg in combination with chenotherapy %: 8 Wivelunds 360 mg in combination with advecantinis 40 mg in RCC %: 5.5 Collins Wivelunds 240 mg or 380 mg in combination with chenotherapy %: 8 Wivelunds 360 mg in combination with advecantinis 40 mg in RCC %: 5.5 Collins Wivelunds 240 mg or 380 mg in combination with chenotherapy %: 8 Wivelunds 360 mg in combination with advecantinis 40 mg in RCC %: 8 <u>Heapting</u> Heapting Heapti sination with chemotherapy % 8 Nixolumab 360 mg in combination with juilinumab 1 mg/tg and chemotherapy in NSOL %: 29 Nixolumab 240 mg in combination with abozantinib 40 mg in RCC %: 23 Neghinis and texal dystancian Nixolumab 240 mg in combination with chemotherapy % 10 Nixolumab 360 mg in combination with abozantinib 40 mg in RCC %: 23 Neghinis and texal dystancian Nixolumab 240 mg in combination with abozantinib 40 mg in RCC %: 23 Neghinis and texal dystancian Nixolumab 240 mg in combination with abozantinib 40 mg in RCC %: 23 Neghinis and texal dystancian Nixolumab 240 mg in combination with abozantinib 40 mg in RCC %: 23 Neghinis and texal dystancian Nixolumab 240 mg in combination with abozantinib 4 Nivolumab 240 ma or 360 ma in ca kg and chemolegy in NSCLC %: 24 Nivolumeb 240 mg in combination with advacamine 40 mg in RCC %: Endocringatives Nivolumeb 240 mg or 360 mg in combination with chemolerapy %: 6 Nivolumeb 360 mg in combination with infimumeb 1 mg/kg and chemolerapy in SSCL %: 8 Nivolumeb 360 mg in combination with advacamine 40 mg in RCC %: 8 <u>Hypersensitivery / Infision exaction</u> Nivolumeb 240 mg or 360 mg in combination with advacamine 40 mg in RCC %: 8 <u>Hypersensitivery / Infision exaction</u> Nivolumeb 240 mg or 360 mg in combination with advacamine 40 mg in RCC %: 8 <u>Hypersensitivery / Infision exaction</u> Nivolumeb 240 mg or 360 mg in combination with advacamine 40 mg in RCC %: 8 <u>Hypersensitivery / Infision exaction</u> Nivolumeb 240 mg or 360 mg in combination with advacamine 40 mg in RCC %: 8 <u>Hypersensitivery / Infision exaction</u> Nivolumeb 240 mg or 360 mg in combination with advacamine 40 mg in RCC %: 8 <u>Hypersensitivery / Infision exaction</u> Nivolumeb 240 mg or 360 mg in combination with advacamine 40 mg in RCC %: 8 <u>Hypersensitivery / Infision exaction</u> Nivolumeb 240 mg or 360 mg in combination with advacamine 40 mg in RCC %: 8 <u>Hypersensitivery / Infision exaction</u> Nivolumeb 240 mg or 360 mg in combination with advacamine 40 mg in RCC %: 8 <u>Hypersensitivery / Infision exaction</u> Nivolumeb 240 mg or 360 mg in combination with advacamine 40 mg in RCC %: 8 <u>Hypersensitivery / Infision exaction</u> Nivolumeb 240 mg or 360 mg in combination with advacamine 40 mg in RCC %: 8 <u>Hypersensitivery / Infision exaction</u> Nivolumeb 240 mg or 360 mg in combination with advacamine 40 mg in RCC %: 8 <u>Hypersensitivery / Infision exaction</u> Nivolumeb 240 mg or 360 mg in combination with advacamine 40 mg in RCC %: 8 <u>Hypersensitivery / Infision exaction</u> Nivolumeb 240 mg or 360 mg in combination with advacamine 40 mg in RCC %: 8 <u>Hypersensitivery / Infision exaction</u> Nivolumeb 240 mg or 360 mg in combination with advacamine 40 mg in RCC %: 8 <u>Hypersensitivery / Infision exaction</u> Nivolumeb 240 mg or 360 mg in combination with advacamine 40 mg in RCCC %. 29 Nivolumab 240 mg in combination with cabozantinia 40 mg in RCC %. 0 ° at least 40 mg daily predisione equivalents 3 frequency is based on the number of patients who experienced the immune related objects section. Immune-related preumonitis in patients headed with involunab monoherapy, the incidence of preumonitis, including interstitial lung disease and lung infiltration, was 3.6% (147/122). The majority of cases were Gode 1 or 2 in sevenity reported in 0.9% (38/4122) and 1.8% (74/4122) of patients respectively, Gode 3 and 4 cases were reported in 0.0.% (32/4122) and <0.1% (1/4122) of patients in these studies. Median time to onset was 14.4 weeks (tange: 0.785.1). Resolution occurred in 100 patients (68.0%) with a median time to resolution of 6.6 weeks (range: 0.1-109.1-); denotes a censored observation. In patients treated with rivolumab 1 mg/kg in combination with joilinumab 3 mg/kg in melanoma, the incidence of pneumonitis including intensitial lung disease, wors 7.8% (35/448). Goode 2, Goode 3, and Goode 4 cases were reported in 4.7% (21/448), 1.1% (5/448), and 0.2% (1/448)

of patients, respectively. One of the Grade 3 pneuronniis cases warsened over 11 days with a fatal outcome. Median time to anset was 2.6 months (range: 0.3-12.6). Resolution occurred in 33 patients (94.3%) with a median time to resolution of 6.1 weeks (range: 0.3-35.1). In patients treated with nivolumab 3 mg/kg in combination with igilinumab 1 mg/kg in RC and dIMIR or MSI H CRC, the incidence of pneuronniis including interstitial lung disease was 6.5% (43/666). Grade 2 and Grade 3 cases were reported in 3.3% (22/666) and 1.1% (7/666), of patients, respectively. Median time to anset was 2.7 months (range: 0.255.6.8). Resolution occurred in 39 patients (90.7%) with a median time to resolution of 6.1 weeks (range: 0.7-10.3*). In patients there with nivolumab 3 mg/kg tion with ipilimuma 1 mg/kg in OSCC and APM, the incidence of pneumonitis including intestitial lung disease was 7.7% (48/622). Grade 2, Grade 3 and Grade 4 croses were reported in 3.7% (23/622), 1.3% (8/622) and 0.6% (4/622) of potients, respectively. Median time to onset was 2.7 months (range: 0.3 20.8). Resolution occurred in 34 patients (70.8%) with a median time to 5.3% (19/358). Ginde 2, Gorde 3, and Gorde 4 coses were reported in 2.2% (8/358), 1.1% (4/358), and 0.6% (2/358) of patients, respectively. Median time to anset was 18.1 weeks (range: 0.4-52.4). Resolution occurred in 14 patients (74%) with a median time to resolution of 4.3 weeks (range: 0.7-27.9). In patients threated with rivolumab 240 mg in combination with cabozantinib 40 mg in RC the incidence of presenvoirts including intestitial lung diseases was 5.6% (18/320), Grobe 2 and Grobe 3 cases wave reported in 1.9% (6/320) of patients, respectively, Median time to anset was 26.9 weeks (mange: 12.374.3 weeks), Resolution occurred in 14 patients (77.8%) with a median time to resolution of 7.5 weeks (mange: 1.40.7+ weeks), mean-attent of anti-patients treated with involumab moontherapy, the incidence of diarhoea, colitis, or frequent bowel movements was 15.3% (631/4122) of patients, respectively. Median time to anset was 26.9 weeks (mange: 12.374.3 weeks), Resolution occurred in 14 patients (77.8%) with a median time to resolution of 7.5 weeks (mange: 2.1-60.7+ weeks), Immune-related colitis in patients treated with involumab moontherapy, the incidence of diarhoea, colitis, or frequent bowel movements was 15.3% (631/4122) of patients respectively. Median time to anset was 26.9 weeks (mange: 12.374.3 weeks), Resolution occurred in 14 patients (77.8%) with a median time to resolution of 7.5 weeks (mange: 2.1-60.7+ weeks), Immune-related colitis in patients treated with involumab moontherapy, the incidence of diarhoea, colitis, or frequent bowel movements was 15.3% (631/4122) of patients respectively. Median time to anset was 26.9 weeks (mange: 2.1-60.7+ weeks), Resolution occurred in 1.5% (61/4122) and -0.1% (1/4122) of patients respectively. The majority of asset were reported in 9.9% (409/4122) and 3.9% (160/4122) and 3.9% (160/4122) and -0.1% (1/4122) and -0.1% (1/4 2.9 weeks (congeo. 1115.6). Resolution occurred in 565 patients (90.5%) with a median time to resolution of 2.4 weeks (congeo. 0.11244). In patients treated with involumed 1 mg/kg in combination with iplimumab 3 mg/kg in melanomo, the incidence of diamhoe or colitis was 46.7% (209/448). Goode 3, and Goode 4 coses were reported in 13.6% (61/448), 15.8% (71/448), and 0.4% (2/448) of patients, respectively. Median time to orset was 1.2 months (range: 0.0.2.6). Resolution occurred in 186 patients (89,4%) with a median time to resolution of 3.0 weeks (range: 0.1-157,4+). In patients treated with involumab 3 mg/kg in combination with ipilimumab 1 mg/kg in combination with ipilimumab 1 mg/kg in combination with ipilimumab 3 mg/kg in c Cost and goals, GEO and goals, GEO and goals, GEO and goals, and foode 4 coases were reported in 9.4% (Old27) 092), double 4 coases were reported in 9.4% (Old27) 092), 4.0% (44/0092), and 0.5% (5/01092) of patients, respectively, Median inter to resultion of 1.6 weeks (range control of 1.6 weeks) (1002) of patients, respectively, Median inter to resultion of 1.6 weeks (range control of 1.6 weeks) (1002) of patients, respectively, Median inter to resultion of 1.6 weeks (range control of 1.6 weeks) (1002) of patients, respectively, Median inter to result of patients (range control of 1.6 weeks) (1002) of patients, respectively, Median inter to result of patients (range control of 1.6 weeks) (1002) of patients, respectively, Median inter to result of patients (range control of 1.6 weeks) (1002) of patients, respectively, Median inter to result of patients (range control of 1.6 weeks) (1002) of patients, respectively, Median inter to result of patients (range control of 1.6 weeks) (1002) of patients, respectively, Median inter to result of patients (range control of 1.6 weeks) (1002) of patients, respectively, Median inter to result of patients (range control of 1.6 weeks) (1002) of patients, respectively, Median inter to result of patients (range control of 1.6 weeks) (1002) of patients, respectively, Median inter to result of patients (range control of 1.6 weeks) (1002) of patients (range control of 1 was 5.1 weeks (range: 0.1-53.6). Resolution occurred in 70 patients (87.5%) with a median time to resolution of 1.4 weeks (range: 0.1-76.9°). In patients treated with minolumab 240 mg in combination with cabacantrinib 40 mg in RCC, the incidence of diarhoea, calitis, frequent bavel movements or enterinis was 59.1% (189/320). Grade 2 and Grade 3 access were reported in 25.6% (82/320) and 6.3% (20)/300 of printents, respectively, Godd 4 were reported in 0.6% (2/320). Median time to onset was 12.9 weeks (mage: 0.3-10.9 weeks); Resolution occurred in 1430 printents (76.1%) with a median time to resolution of 1.2% weeks (mage: 0.1-139.7) weeks); Minumerelated hepatitis in patients treated with involumed with molumation time to resolution of 6.1 % with a median time to resolution of 1.2% weeks (mage: 0.1-139.7) weeks); Minuterelated hepatitis in patients treated with involumed with molumation time to resolution of 6.1 % with a median time to resolution of 6.1 % weeks (mage: 0.1-120.7). Resolution occurred in 240 printents (79.5%) with a median time to resolution of 6.1 weeks (ange: 0.1-126.4') In patients treated with nivolumb 1 mg/kg in melinoma, the incidence of liver function test donomolities was 29.5% (132/448), Grade 2, Grade 3, and Grade 4 cases were reported in 6.7% (30/448), 15.4% (69/448), and 1.8% (8/448) of patients, respectively. Median time to caset was 1.5 months (range: 0.0-30.1). Resolution occurred in 124 patients (93.9%) with a median time to resolution of 5.1 weeks (range: 0.1-106.9). In patients treated with rivolumob 3 mg/kg in combination with ipilimumab 1 mg/kg in RCC and dMMR or MS1H CRC, the incidence of liver function test abnormalities was 19.8% (132/666), Grede 2, Grede 3, and Grede 4 cases were reported in 4.8% (32/666), 7.4% (49/66), and 1.5% (10/666) of patients, respectively. Median time to onset ws 2.1 months (unge: 0.336.6), Resolution occurred in 112 patients (84.8%) with a median time to resolution of 6.3 weeks (range: 0.1¹·175.9¹). In patients treated with rivolumob 3 mg/kg in combination with ipilimumab 1 mg/kg in OSCC and MPM, the incidence of liver function test adhormalities was 12.9% (80/622). Grade 3, and 4 cases were reported in 2.3% (14/622), 4.5% (28/622) and 0.5% (3/622) of patients, respectively. Median time to resolution of 6.3 weeks (range: 0.275.9¹). In patients treated with rivolumob 3 mg/kg in combination with ipilimumab 1 mg/kg in OSCC and MPM, the incidence of liver function test adhormalities was 12.9% (80/622). Grade 3, and 4 cases were reported in 2.3% (14/622) 4.5% (28/622) and 0.5% (3/622) of patients, respectively. Median time to resolution of 4.1 weeks (range: 0.19.4%). Resolution accured in 7.1% (77/1092), 3.2% (35/1092) and <0.1% (1/1092) of patients, respectively. Median time to onset was 7.9 weeks (range: 0.19.4.1). Resolution accured in 185 patients (79.7%) with a median time to resolution of 9.1 weeks (range: 0.450.6%). In patients treated with involumed 360 mg every 3 weeks in combination with pilimumab 1 mg/kg every 6 weeks and cherrotherapy in ISCLC, the incidence of liver function test adnormalities was 1.4% (48/358), Globel 2, Goode 3, and Grade 4 cases were reported in 3.1% (11/358), 3.4% (12/358), of unitents, respectively. Median fime to onset was 10.4% (48/358), Globel 2, Goode 3, and Grade 4 cases were reported in 3.1% (11/358), 3.4% (12/358), of unitents, respectively. Median fime to resolution of 5 weeks (range: 0.1-40.4%) with a median fime to resolution of 5 weeks (unge: 0.3+45.0%). In patients treated with nivolumed 240 mg in combination with cabazantinib 40 mg in RCC, the incidence of liver function test adnormalities was 41.6% (133/320), Grade 2, Goode 3, and Grade 4 cases were reported in 1.1% (11/358), 3.4% (11/2/122). The majority of cases were Grade 1 or 2 in severity Median fime to onset was 0.6% (133/320). Final distance of nephritis on real disfunction in patients treated with nivolumed monotherapy, the incidence of nephritis on real disfunction was 2.7% (11/2/122). The majority of cases were Grade 1 or 2 in severity median fime to an end disfunction in patients treated with nivolumed monotherapy, the incidence of nephritis on real disfunction in severity and ender a severity median fime to an end disfunction in the cases (ange: 0.1-107.9 weeks). Resolution occurred in 101 patients (75.9%) with a median fime to resolution of 9.6 weeks (ange: 0.1-89.3* weeks). Immunerelated nephritis and renal disfunction in patients treated with nivolumed monotherapy, the incidence of nephritis or renal disfunction was 2.7% (11/2/122). The majority of cases were Grade 1 or 2 in severity reported in 1.8% (66/4122) and 0.7% (28/4122) of patients respectively. Media S and 4 coses were reported in 0.4% (17/4122) and -0.1% (1/4122) of patients, respectively. Median time to anset was 11.3 weeks (tange: 0.179.1). Resolution and a final to resolution of 2.1% (1/4122) of patients, respectively. Median time to anset was 11.3 weeks (tange: 0.179.1). Resolution and 4 coses were reported in 0.4% (17/412) and -0.1% (1/4122) of patients, respectively. Median time to anset was 2.6 months (tange: 0.5-21.8). Resolution and a final to resolution of 2.1 weeks (tange: 0.179.1). Resolution and a final to resolution of 3 weeks (tange: 0.179.1). In patients median time to resolution of 2.1 weeks (tange: 0.179.1). Resolution and a final to resolution and a final to resolution of 2.1 weeks (tange: 0.1748), and 0.7% (3/448) of patients, respectively. Median time to anset was 2.6 months (tange: 0.5-21.8). Resolution and a final to anset was 2.1% (1/4122) of patients, respectively. Median time to anset was 2.6 months (tange: 0.5-21.8). Resolution and a final to anset was 2.1% (1/4128) of patients, respectively. Median time to anset was 2.1% (1/4128) of patients, respectively. Median time to anset was 2.6 months (tange: 0.5-21.8). Resolution and the resolution of 2.1 weeks (tange: 0.1-34.8). Resolution and the resolution of 2.1 weeks (tange: 0.1-34.8). Resolution and to anset was 2.6 months (tange: 0.5-21.8). Resolution and tange: 0.5-21.8). Resolution and tange (tange: 0.5 45 patients: (78.9%) with a median time to resolution of 10.0 weeks (range: 0.1=106.0°). In patients treated with rivolumob 3 mg/kg in combination with jailmuradh 1 mg/kg in OSEC and MPM, the incidence of renal dysfunction was 3.7% (23/622). Grade 2 and Grade 3 assessesses reported in 1.4% (9/622) and 1.0% (6/622) of patients, respectively. Median time to anset was 2.8 months (range: 0.1=106.0°). 0.3-14.4.), Resolution occurred in 17 patients (73.9%) with a median time to resolution of 9.6 weeks (ange.0.7172.1). In patients treated with nivolumab 240 mg of 380 mg in combination with demotherapy in OSCC and gostinc, GET or escoplaged adenocaccinoma, the incidence of nephritis or rend dystanction vss 9.1% (1997/1022). Grade 2, Grade 3, and Grade 4 ccess were reported in 3.7% (40/1092), 1.1% (12/1092), and 0.2% (2/1092) of patients, respectively. Median time to onset ws11.3 weeks (ange.0.7-60.7). Resolution occurred in 62 patients (62.6%) with a median time to resolution of 11.7 weeks (range.0.1-135.1). In patients theated with nivolumab 360 mg every 3 weeks in combination with igilimumab 1 mg/kg every 6 weeks and chemotherapy in NSCC, the incidence of nephnits or renal dysfunction was 7% (25/358). Grade 2, Grade 3, and Grade 4 cases were reported in 2.2% (8/359), 1.7% (6/3559), and 0.6 (2/358) of patients, respectively. Median time to anset was 10.6 weeks (ange; 0.1-51.3). Resolution courred in 14 patients (56%) with a median time to resolution of 6.3 weeks (ange; 0.1+82.9). In patients treated with nivolumob 240 mg in combination with calculation with cal respectively, Gode 3 thyroid disorders were reported in 0.2% (7/4122) of patients. Hypophysitis (3 Grade 1, 2 Grade 2, Grade 3, and 1 Grade 4), hypophysiturism (5 Grade 2 and 1 Grade 4), apophysiturism (5 Grade 2 and 1 Grade 4), apophysitur kerboardskip (1 Gradel , 4 Grade 2 and 5 Grade 3 and 2 Grade 4) week reported. Here an advantages was 11.1 weeks(strange:0.1126.7), Resolution curred in 278 patients (49.8%), Median time to resolution was 44.1 weeks. In patients there and the index of the endoarding and the index of the index of the index of the endoard in a strain of the index of the index of the endoard in a strain of the index of the index of the index of the index of the endoard in a strain of the index of the index of the index of the index of the endoard in a strain of the index of the endoard in a strain of the index of respectively, Gode 3, and Gode 4 adrenal insufficiency (including secondary adrencontrical insufficiency) examel in 1.6% (7/448), 1.3% (6/448) and 0.2% (1/448) of patients, respectively, Gode 1, Goode 3, and Gode 4 diabetes mellitus and Gode 4 diabetes kenological insufficiency (including secondary adrencontrical insufficiency) examel in 1.6% (7/448), 1.3% (6/448) and 0.2% (1/448) of patients, respectively, Gode 1, Goode 3, and Gode 4 diabetes mellitus and Gode 4 diabetes mellitus and Gode 4 diabetes mellitus and Gode 4 diabetes for the control of the con (ange: 0.0-28.1). Resolution occurred in 64 patients (45.4%). Time to resolution ranged from 0.4 to 155.4* veeks. In patients heated with involundo 3 mg/kg in combination with iplimumab 1 mg/kg in acc and dMMR or MS1H CRC, the incidence of thyroid disorders was 26.9% (179/666). Goode 2 and Gode 3 thyroid disorders was reported in 1.53% (102/666) or patients, respectively. Hypophysitis occurred in 0.5% (3/666) of patients. Grade 2, Grade 3, and Grade 4 acternal in 0.5% (5/666), 2.3% (15/666), and 0.3% (2/666) of patients, espectively. Grade 2 and dMMR or MS1H CRC, the incidence of thyroid disorders was 26.9% (179/666). Grade 2 and Grade 3 thyroid disorders was reported in 0.5% (3/666) of patients, Grade 2, Grade 3, and Grade 4 acternal in 0.5% (3/666) of patients, Grade 2, Grade 3, and Grade 4 acternal in 0.5% (3/666) of patients, Grade 2, Grade 3, and Grade 4 acternal in 0.5% (3/666) of patients, Grade 2, Grade 3, and Grade 4 acternal in 0.5% (3/666) of patients, Grade 2, Grade 3, and Grade 4 acternal in 0.5% (3/666) of patients, Grade 2, Grade 3, and Grade 4 acternal in 0.5% (3/666) of patients, Grade 2, Grade 3, and Grade 4 acternal in 0.5% (3/666) of patients, Grade 2, Grade 3, and Grade 4 acternal in 0.5% (3/666) of patients, Grade 2, Grade 3, and Grade 4 acternal in 0.5% (3/666) of patients, Grade 2, Grade 3, and Grade 4 acternal in 0.5% (3/666) of patients, Grade 2, Grade 3, and Grade 4 acternal in 0.5% (3/666) of patients, Grade 2, Grade 3, and Grade 4 acternal in 0.5% (3/666) of patients, Grade 2, Grade 3, and Grade 4 acternal in 0.5% (3/666) of patients, Grade 2, Grade 3, and Grade 4 acternal in 0.5% (3/666) of patients, Grade 4 acternal in 0.5% (3/666) of patients, Grade 4 acternal in 0.5% (3/666) of patients, Grade 4, acter (13/666) and 0.3% (2/666) of patients, respectively. Diabetes mellitus including Type 1 diabetes mellitus (2 Groube 2, 1 Groube 3, and 2 Groube 1), and diabetic ketocidosis (1 Groube 4) were reported. Median time to onset of these endocrinopathies was 2.1 months (ange: 0.0-27.2). Resolution accured in 89 patients (41.4%). Time to resolution maged from 0.4 to 257.1 * weeks. In patients tented with aivolumab 3 mg/kg in combinations with pilinumab 1 mg/kg in SSCC and MMM, the incidence of thyroid disorders was 18.2% (113/622). Gaude 2 and Gaude 3 thyroid disorders was reported in 8.0% (50/622)) and 0.5% (3/622) of patients, respectively. Hypophysits occurred in 2.3% (14/622) of patients, Gaude 2 cases were reported in 8.0% (50/622)) and 0.5% (3/622) of patients, respectively. Hypophysits occurred in 2.3% (14/622) of patients, respectively. Hypophysits and Gaude 3 thyroid disorders was reported in sufficiency) occurred in 2.1% (13/622), in 0.5% (3/622) and 0.5% (3/622) and 0.2% (1/622) of patients, respectively. Hypophysits and Gaude 3 thyroid disorders was reported in a.1% (13/622), in 0.5% (3/622) and 0.2% (1/622) of patients, respectively. Hypophysits and Hypophysitic and Gaude 3 thyroid disorders and Gaude 2 and Gaude 2 and Gaude 3 thyroid disorders was reported in 2.1% (13/622), in 0.2% (1/622) of patients, respectively. Hypophysits and Gaude 3 thyroid disorders and G reported. Median time to onset of these endocrinopathies was 2.4 months (angre: 0.4 - 20.8), Resolution occurred in 43 patients (30.7%). Time to resolution ranged from 0.3 to 185.1+ weeks. In patients treated with nivolumeb 240 mg or 360 mg in combination with chemotherapy in 05CC and gastric, GEU or escaphaged adenocarcinoma, the incidence of thyroid disorders was 11.7% (128/1092). Sindle 2 thyroid disorder was reported in 5.5% (60/1092) patients. Grade 3 hypophysitis occurred in 0.3% (3/1092) on 40.1% (1/1092) of patients, respectively, Grade 2, Grade 3 and Grade 4 ordenal insufficiency occurred in 0.7% (8/1092), 0.2% (2/1092) and <0.1% (1/1092) of patients, respectively, Grade 2, Grade 3 and Grade 4 ordenal insufficiency occurred in 0.3% (8/1092), 0.2% (2/1092) and <0.1% (1/1092) of patients, respectively, Grade 2, Grade 3 and Grade 4 ordenal insufficiency occurred in 0.3% (8/1092), 0.2% (2/1092) and <0.1% (1/1092) of patients, respectively, Grade 2, Grade 3 and Grade 4 ordenal insufficiency occurred in 0.3% (8/1092), 0.2% (2/1092) and <0.1% (1/1092) of patients, respectively, Grade 2, Grade 3 and Grade 4 ordenal insufficiency occurred in 0.3% (8/1092), 0.2% (2/1092) and <0.1% (1/1092) of patients, respectively, Grade 2, Grade 3 and Grade 4 ordenal insufficiency occurred in 0.3% (8/1092), 0.2% (2/1092) and <0.1% (1/1092) of patients, respectively, Grade 2, Grade 3 and Grade 4 ordenal insufficiency occurred in 0.3% (8/1092), 0.2% (2/1092) and <0.1% (1/1092) of patients, respectively, Grade 2, Grade 3 and Grade 4 ordenal insufficiency occurred in 0.3% (8/1092), 0.2% (2/1092) and <0.1% (1/1092) of patients, respectively, Grade 2, Grade 3 and Grade 4 ordenal insufficiency occurred in 0.3% (8/1092), 0.2% (2/1092) and <0.1% (1/1092) of patients, Grade 3 and Grade 4 ordenal insufficiency occurred in 0.3% (8/1092) and <0.1% (1/1092) of patients, Grade 3 and Grade 4 ordenal insufficiency occurred in 0.3% (8/1092) and <0.1% (1/1092) of patients, Grade 3 and Grade 4 ordenal insufficiency occurred in 0.3% (8/1092) and <0.1% (1/1092) of patients, Grade 3 and Grade 4 ordenal insufficiency occurred in 0.3% (8/1092) and <0.1% (1/1092) of patients, Grade 3 and Grade 4 ordenal insufficiency occurred in 0.3% (8/1092) and <0.1% (1/1092) of patients, Grade 3 and Grade 4 ordenal insufficiency occurred in 0.3% (8/1092) and <0.1% (1/1092) of patients, Grade 3 and Grade 4 ordenal insufficincy occurred in 0.3% (mellitus including Type 1 diabetes mellitus and fulminant Type 1 diabetes mellitus (1) Grade 2, 2 Grade 3 and 1 Grade 4), and diabetic ketocolobosis (1) Grade 4), were reported. Median time to orset of these endocrinopathies was 14.3 weeks (trange: 2.0-124.3). Resolution occurred in 56 patients (38.9%). Time to resolution ranged from 0.4 to 15.5.7 weeks. In patients heated with involumab 360 mg every 3 weeks in combination with jolinumah 1 mg/kg every 6 weeks and chemotherapy in INSCL, the incidence of thyroid disorders was 24% (86/358). Grade 2 and Grade 3 thyroid disorders wave reported in 12.3% (44/358) and 0.3% (1/358) of patients, respectively. Hypophysics occurred in 1.4% (5/358) of patients, Grade 2 and Grade 3 and Grade 3 thyroid disorders wave reported in 12.3% (44/358) and 0.3% (1/358) of patients, respectively. Hypophysics occurred in 1.4% (5/358) of patients, Grade 2 and Grade 3 and Grade 3 thyroid disorders wave reported in 12.3% (44/358) and 0.3% (1/358) of patients, respectively. Hypophysics occurred in 1.4% (5/358) of patients, Grade 2 and Grade 3 and Grade 3 thyroid disorders wave reported in 12.3% (44/358) and 0.3% (1/358) of patients, respectively. patients, respectively, Goude 2 hypopilularism occumed in 0.3% (1/358) of patients. Goude 2 and Goude 3 adrend insufficiency occumed in 1.7% (6/358) and 1.4% (5/358) of patients, respectively. Diabetes mellitus including Type 1 diabetes mellitus was not reported. Median time to over of these endocrinopathies was 12.1 weeks (range: 1.958.3). Resolution occumed in 30 patients (53.5%). Time to resolution ranged from 1.4 to 72.4 weeks. In patients treated with nivolumab 240 mg in combination with cabazantinib 40 mg in RCC, the incidence of thyroid disorders was 43.1% (138/320). Grade 2 and Grade 3 thyroid disorders were reported in 23.1% (74/320) and 0.9% (3/320) of patients, respectively. Hypophysitis occurred in 0.6% (2/320) of patients, all Grade 2. Advenail insofficiency Including scalar by the control in t occurred in 779 patients (64.6%) with a median time to resolution of 18.1 weeks (0.1 - 192.7*). In patients treated with involumedb 1 mg/kg in combination with ipilinumeb 3 mg/kg in combination with ipilinumeb 3 mg/kg in combination with ipilinumeb 1 mg/kg in RC and dMMR or MS1H CRC, the incidence of rash was 45.0% (291/448). Grade 2 and Grade 3 cases were reported in 13.7% (91/646) and 7.6% (34/448) of patients, respectively. Median time to resolution of 11.4 weeks (range: 0.1-150.1*). In patients treated with nivolumab 3 mg/kg in combination with ipilinumeb 1 mg/kg in RC and dMMR or MS1H CRC, the incidence of rash was 47.7% (318/666). Grade 2 and Grade 3 cases were reported in 13.7% (91/666) and 3.9% (26/666) of patients, respectively. Median time to resolution of 11.1 weeks (range: 0.1-150.1*). In patients treated with nivolumab 3 mg/kg in combination with ipilinumab 1 mg/kg in SC and dMMR or MS1H CRC, the incidence of rash was 47.7% (318/666). Grade 2 and Grade 3 cases were reported in 13.7% (91/666) and 3.9% (26/666) of patients, respectively. Median time to resolution of 11.1 weeks (range: 0.1-1268.7*). In patients treated with nivolumab 3 mg/kg in combination with ipilinumab 1 mg/kg in SC and dMMR or MS1H CRC, the incidence of rash was 45.0% (218/622). Grade 2, Grade 3 cases were reported in 11.3% (70/622), 3.4% (21/622) and 0.2% (1/622) of partients, respectively, Median time to onset was 1.1 months: (arayse: 0.0.22.3). Resolution occurred in 150 partients (68.1%) with a median time to resolution of 11.9 weeks (arayse: 0.3176.9'). In partients treated with nivolumab 240 mg or 360 mg in combination with chernotherapy in OSCC and gastric, GEI or oescylatogeal adenocacitionana, the incidence of rash was 24.5% (267/1092). Grade 2 and Grade 3 cases were reported in 6.4% (70/1092), and 2.5% (27/1092) of partients, respectively. Median time to resolution of 11.9 weeks (arayse: 0.3176.9'). In partients treated with nivolumab 240 mg or 360 mg in combination with chernotherapy in OSCC and gastric, GEI or oescylatogeal adenocacitionana, the incidence of rash was 24.5% (267/1092). Grade 2 and Grade 3 cases were reported in 6.4% (70/1092), and 2.5% (27/1092) of partients, respectively. Median time to resolution of 19.1 weeks (arage: 0.1+88.1'). In partients treated with nivolumab 360 mg every 3 weeks in combination with patients (arage: 0.1+88.1'). In partients treated with nivolumab 360 mg every 3 weeks in combination with patients (arage: 0.1+88.1'). In patients treated with nivolumab 360 mg every 3 weeks in combination with patients (arage: 0.1+88.1'). In patients treated with nivolumab 360 mg every 3 weeks in combination with patients (arage: 0.1+88.1'). In patients treated with nivolumab 37.1% (13/536). Grade 2, Grade 3, and Grade 4 cases were reported in 11.5% (41/358), and 0.3% (1/358) of patients, respectively. Median time to oreset was 3.3 weeks (arage: 0.1+88.1'). In a median time to enset was 3.1 % (13/536). Grade 2, Grade 3, and Grade 4 cases were reported in 11.5% (41/358), and 0.3% (1/358) of patients, respectively. Median time to oreset was 3.3 weeks (arage: 0.1+88.1'). In a median time to enset was 3.1 % (13/536). Grade 2, Grade 3, and Grade 4 cases were reported in 11.5% (41/358), and 0.3% (1/358) of patients, respectively. Median time to oreset was 3.3 weeks (arage: 0.1+88.1'). In a median time to enset was 3.1 % patients treated with nivolumob 240 mg in combination with cobocantinib 40 mg in RCC, the incidence of rush was 62.8% (201/320). Grade 2 and Grade 3 cases were reported in 23.1% (74/320) and 10.6% (34/320) of patients, respectively. Median time to onset was 6.14 weeks (range: 0.1-104.4 weeks). Resolution occurred in 137 patients (68.2%) with a median time to resolution of 18.1 weeks (range: 0.1-130.6' weeks). Rare cases of SIS and TEN some of them with fauli outcome have been observed (see sections 4.2 and 4.4). Infusion reactions in patients treated with nivolumab manotherapy, the incidence of hypersensitivity/infusion reactions was 3.9% (16/0.4122), including 9 Grade 3 and 3 Grade 4 cases. In patients treated with aviolumab 1 mg/kg in combination with ipilinumab 1 mg/kg in combination with ipilinumab 1 mg/kg in ecotions was 3.8% (17/448); all were Grade 1 a 2.1% (10/448) of patients. In patients treated with nivolumab 3 mg/kg in combination with ipilinumab 1 mg/kg in RCC and dMMR or MSI H CRC, the incidence of hypersensitivity/infusion reactions was 3.8% (12/646); all were Grade 1 a 2.1% (10/448) of patients. In patients treated with nivolumab 3 mg/kg in combination with ipilinumab 1 mg/kg in RCC and dMMR or MSI H CRC, the incidence of hypersensitivity/infusion reactions was 3.8% (12/646); all were Grade 1 a 2.1% (10/448) of patients. In patients treated with nivolumab 3 mg/kg in combination with ipilinumab 1 mg/kg in RCC and dMMR or MSI H CRC, the incidence of hypersensitivity/infusion reactions was 3.8% (12/646); all were Grade 1 a 2.1% (10/448) of patients. In patients treated with nivolumab 3 mg/kg in combination with ipilinumab 1 mg/kg in RCC and dMMR or MSI H CRC, the incidence of hypersensitivity/infusion reactions was 3.8% (12/646); all were Grade 1 a 2.1% (10/448) of patients. In patients treated with nivolumab 3 mg/kg in RCC and dMMR or MSI H CRC, the incidence of hypersensitivity/infusion reactions was 3.8% (12/646); all were Grade 1 a 2.1% (12/648); all were Grade 1 a 2.1% (1 sevently, Goode 2 coses were reported in 2.4% (16/666.6) of potients. Median time to onset was 0.7 months (ange: 0.1 22.6). Resolution occurred in 23 patients (92.0%) with a median time to resolution of 0.1 weeks (ange: 0.1 79.1). In patients heated with rivolumado 3 mg/Ag in combination with iplimumand 1 mg/Ag in OSCC and MPM, the incidence of hypersensitivity/mbrison reactions was 7.2% (45/622); Godd 1, Godd 2 and Godd 3 coses: were reported in 3.4% (21/622), 3.2% (20/622) and 0.6% (4/622) of patients, respectively. In patients neated with nivolumob 240 mg or 360 mg in combination with demotherapy in OSCC and gastric, GEJ or oesophoged adenocacionom, the incidence of hypesensitivity/infusion reactions was 10.6% (116/1092). Godd 4, Godd 3, and Godd 4 coses were reported in 6.5% (71/1092), 1.4% (15/1092) and 0.2% (21/092) of patients, respectively. In patients neated with nivolumob 340 mg every 3 weeks in combination with igilimumob 1 mg/kg every 6 weeks and chemotherapy in NSCC, the incidence of hypesensitivity/infusion reactions was 4.7% (17/358). Gode 2, Gode 3, and Godd 4 coses were reported in 2.2% (8/358), 0.3% (1/358), and 0.3% (1/358) of patients, respectively. In patients treated with involumab 240 mg in ecohianation with cabazantinib 40 mg in RCC, the incidence of hypersensitivity/infusion reactions was 2.5% (8/320). All 8 patients were Giade 1 or 2 in severity. Grade 2 cases were reported in 0.3% (1/320) of patients. Complications of allogeneic HSCT in classical Hodgkin //mphona Rapid oncer of WhD has been reported with involumab use before and after allogeneic HSCI (see section 4.4). In 62 evoluted patients from two chil. studies who underwent allogeneic HSCI (are discontinuing nivolumab monotherapy, Grade 3 ar 4 ocute GWHD was reported in 17/62 patients (27.4%). Hyperacute GWHD, defined as ocute GWHD ocurring within 14 days after stem cell infusion, was reported in four patients (56.1 after discontinuing nivolumab monotherapy, Grade 3 ar 4 ocute GWHD was reported in 17/62 patients (27.4%). Hyperacute GWHD, defined as ocute GWHD occurring within 14 days after stem cell infusion, was reported in four patients (50.4%). A steroid-requiring febrile syndrome, without an identified infectious cause, was reported in six patients (12%) within the first 6 weeks post-hansplantation. Steroids were used in four patients responded to steroids. Hepatic veno-occlusive disease occurred in two patients, cause of WHD and multi-organ failure. Nineteen of 62 patients (30.8%) died from complications of allogeneic KSCI after involumab. The 62 patients had a median follow-up from subsequent allogeneic KSCI of 38.5 months (margs: 0.68 months). Elevated live enzymes when nivolumab is combined with cabazantinib in RCC in a chical study of previously untreated patients with RCC reserving involumab in combination with cabazantinib, a higher incidence of Grades 3 and 4 ALT increased (10.1%) and AST incressed (8.2%) were observed relative to involumab montherapy in patients with Grades 22 incressed ALT or KST. (n=65): median fine to onset was 10.1 weeks (ange: 2.0 to 10.6.6 weeks), 26% received anticosteroids for median duration of 1.4 weeks (ange: 0.9 to 75.3 weeks), and resolution to Grades 0.4 accurred in 91% with median fine to resolution of 2.3 weeks (ange: 0.4 to 10.8.1 weeks). Among the 45 patients with Grades 22 increased ALT or AST (who were rechallenged with either mixubmo (n=10) administered as a single agent or with both (n=25), recurrence of Grades 22 increased ALT or AST was observed in 3 patients receiving pODVO, 4 patients receiving cobacantinib, and 8 patients receiving both OPDIVO and cabacantinib. smallifies in patients hearted with rivolumab monotherapy, the proportion of patients who experienced a shift fram baseline to a Grade 3 or 4 laboratory abnormality was to follows: 3.9% for annemia (all Grade 3), 0.7% for thrombocytopaenia, 0.8% for Jewaphonenia, 1.0% for increased akaline phosphatose, 2.7% for increased aks[, 2.4% for increased AUT, 0.9% for increased total bilindin, 0.7% for hyperdycaenia, 1.2% for hypodycaenia, 1.2% for hypodycaenia, 1.2% for hypodulcaenia, 1.7% for hypodulcaenia, 1.2% for hyperdycalcaenia, 0.7% for hypodulcaenia, 0.7% for hypodulcaenia, 1.2% for hyperdycaenia, 1.2% for hyperdycaenia, 0.7% for hypoducaenia, 0.7% for hypoducaenia, 1.2% for hyperdycaenia, 1.2% for hyperdycaenia, 0.7% for hypoducaenia, 0.7% for hypoducaenia, 0.7% for hypoducaenia, 1.2% for hyperdycaenia, 1.2% for hyperdycaenia, 0.7% for hypoducaenia, 0.7% for hypoducaenia, 1.2% for hyperdycaenia, 0.7% for hypoducaenia, 0.7% for hyperdycaenia, 0.7% for hypoducaenia, 0.7% for hypoducaenia, 0.7% for hyperdycaenia, 0.7% for hypoducaenia, 0.7% for hypoducaenia, 0.7% for hyperdycaenia, 0.7% for hypoducaenia, 0.7% for hypoducaenia, 0.7% for hyperdycaenia, alkaline phosphatose, 12.4% for incressed AGT, 15.3% for incressed AGT, 15.3% for incressed and hyperclucaemia, 0.4% for incressed and hyperclucaemia, 0.5% for hypocalicaemia, 0.2% for hypocalicaemia, 0.2% for hypocalicaemia, 0.2% for hypocalicaemia, 0.4% for incressed and hyperclucaemia, 0.4% for incressed and hyperclucaemia, 0.4% for hypocalicaemia, 0.4% for incressed and hyperclucaemia, 0.5% for hypocalicaemia, 0.2% for hypocalicaemia, 0.4% for incressed and hyperclucaemia, 0.4% for hypocalicaemia, 0.4% for incressed and hyperclucaemia, 0.4% for incressed and hyperclucaemia, 0.4% for hypocalicaemia, 0.4% for incressed and hyperclucaemia, 0.4% for hypocalicaemia, 0.4% for hypocal In patients heated with involumed 3 mg/kg in combination with glininumeb 1 mg/kg in KC and dlMMk or IKSH CRC, the proportion of patients who experimented a varsening from baseline to a Grade 3 or 4 laboratory advancemily was as follows: 4.3% for nonemia (all Grade 3), 0.3% for thrombocytopaenin, 0.3% for levopoenin, 2.1% for hyperdylcaenin, 2.1% for hyperdylcaenin, 2.1% for hyperdylcaenin, 1.1% for increased alkaline phosphatose, 6.7% for increased July 1.8% for increased and July 2% for increased alkaline phosphatose, 6.7% for increased July 2.8% for increased Aug. 1.8% for increased and July 2.3% for hyperdylcaenin, 2.2% for hyperdylcaenin, 2.1% for hyperdylcaenin, 2.1% for hyperdylcaenin, 2.2% for hyperdylcaenin, 2.1% for increased and July 2.5% for increased July 2.5% for increased July 2.5% for increased July 2.5% for hyperdylcaenin, 2.2% for hyperdylcae attoenia. In patients treated with rivolumobs 3 mg/kg in combination with ipilinumab 1 mg/kg in OSCC and NPM, the proportion of patients who experienced alkaline phosphatase. 6.5% for increased AST, 6.7% for increased ALT, 1.2% for increased total bilinutin, 0.5% for increased and bilinutin, 0.5% for hyperaticennia, 3.6% for hyperaticennia, 5.6% for increased lipose, 0.2% for hyperaticennia, 10.0% for hyperaticennia, 3.7% for hyperaticennia, 3.6% for hyperaticennia, 5.6% for increased lipose, 0.2% for hyperaticennia, 10.0% for hyperaticennia, 3.7% for hyperaticennia, 3.6% for hyperaticennia, 5.6% for increased lipose, 0.2% for hyperaticennia, 10.0% for hyperaticennia, 3.6% for hyperaticennia, 3.6% for hyperaticennia, 3.6% for hyperaticennia, 5.6% for increased lipose, 0.2% for hyperaticennia, 10.0% for hyperaticennia, 3.6% In patients treated with nivolumab 240 mg or 360 mg in combination with chemotherapy in 05CC and gastric, GEJ or eecophageal adenocaricinom, the proportion of patients who experienced a vasaening from baseline to a Grade 3 or 4 laboratory abnormality was to follows: 16.3% for nonemia, 5.8% for financesced blicabin, 1.4% for hypothogenia, 26.1% neutropeania, 3.0% for increased adulta phosphatuse, 4.2% for increased JU, and the second adulta phosphatuse, 4.2% for increased JU, 0.6% for hypoglycemia. In patients neared with nirolumab 360 mg every 3 weeks in combination with ipilimurab 1 mg/kg every 6 weeks and chernotherapy in NSCLC, the proportion of patients who experienced a wasening from baseline to a Grade 3 or 4 laboratory abnormality was so follows: 9.2% for anneania, 4.3% for thrombocrytopaenia, 9.8% for lexpoperia, 5.8% for lymphogeneia, 14.7% for neutropoenia, 1.2% for increased alkaline phosphatuse, 3.5% for increased AST, 4.3% for increased total bilinubin, 1.2% for hyperagoneenia, 1.2% for hyperagoneenia, 0.2% for increased in the phosphatuse, 3.5% for 3.5% for hypokalaemia, and 10.7% for hyponataemia. In patients treated with nivolumab 240 mg in combination with cabazantinib 40 mg in RCC, the proportion of patients who experienced a wassening from baseline to a Grade 3 or 4 laboratory abnormality was as follows: 3.5% for insento-page and 3.5% for the experienced a wassening from baseline to a Grade 3 or 4 laboratory abnormality was as follows: 3.5% for insento-page and 3.5% for 3.2% for increased alkaline phosphatese, 8.2% for increased AUI, 1.3% for increased total bilinubin, 1.3% for increased and/icese, 15.6% for increased alkaline phosphatese, 8.2% for hypoatcaemia, 0.3% for hyperaccaemia, 0.4% for hyperaccaemia, 1.9% for hyperaccaemia, 1.9% for increased and/icese, 15.6% for increased and/icese, 3.5% for hyperaccaemia, 0.3% for hype for hypokabeenia, 12.3% for hyponatanenia, and 21.2% for hypophosphatanenia. Immunogenicity Of the 3529 patients who were treated with nivolumab monotherapy 3 mg/kg or 240 mg every 2 weeks and evaluable for the preserve of anti product antibodies, 328 patients (9.3%) tested positive for teamment emergent anti product antibodies with 21 patients (0.6%) testing positive for neutralising to trypolandaming, tag 2 (2) in the start of 3 mg/kg every 3 weeks. The incidence of neutralising antibadies against nivolumab wes 0.8% with nivolumab 3 mg/kg avery 3 weeks, 01 sprinters evaluable for the presence of anti-pilinamab antibadies, the incidence of anti-pilinamab antibadies against pilinamab antibadies against pilinamab 3 mg/kg avery 3 weeks, 01 sprinters who were teated with nivolumab 3 mg/kg avery 3 weeks, 01 sprinters evaluable for the presence of anti-pilinamab antibadies against pilinamab antibadies against pilinamab 3 mg/kg avery 3 weeks, 01 sprinters who were teated with nivolumab 3 mg/kg avery 3 weeks, 01 sprinters who were teated with nivolumab antibadies against pilinamab antibadies was 3.8% and the incidence of anti-pilinamab antibadies against pilinamab antibadies was 2.6%. Of the patients who were teated with nivolumab in combination with pilinamab and cheronotherapy and evaluable for the presence of anti-pilinamab antibadies against pilinamab antibadies was 7.5%, and the neutralising antibadies was 7 when anti-involumab-anthodies were present, there was no evidence of loss of efficacy or altered toxicity prafile in the presence of vivolumab anthodies based on the pharmacokinetic and exposure response analyses for both monotherapy and combination. Plaedattic <u>population</u> Ohly limited safety data of vivolumab as monotherapy or in combination with ipilimumab in children below 18 years of age are available (see section 5.1). No new safety signals were abserved in clinical study (A209908 of 151 paediatin: patients with highgrade primary central nervous system (IOS) malignancies, relative to data available in adult studies across indications. <u>Eddenly</u> No overall differences in safety were reported between eldenly (2: 65 years) and younger patients (< 65 years). Data from SCCHM, adjuvant melanona, and adjuvant OC or GEC patients 75 years of age or older are too limited to draw conclusions on this population (see section 5.1). Data from dWMR or MSI H CRC patients 75 years of age or older are timited (see section 5.1). Data from dHL patients 65 years of age or older are too limited to draw conclusions on this population (see section 5.1). IN MPM patients, there was a higher rate of serious adverse reactions and disc nitinuation to de to adverse reactions in patients 75 years of oge or obler (68% and 35%, respectively) relative to all patients to accumation with ipilimumob (54% and 28%, respectively). For patients treated with nivolumab in combination with cabazantinb, data from RCC patients 75 years of oge or obler are too limited to draw canclusions on this papulation (see section 5.1). <u>Hepatic or renal impointment</u> In the non-squamous KSCLG study (Q209057), the safety profile in patients with baseline rend or hepatic impointent was comparable to that in the overall population. These results should be interpreted with caution due to the small sample size within the subgroups. Reporting of suspected adverse reactions Age or in patients with baseline rend or hepatic impointment was comparable to that in the overall population. These results should be interpreted with caution due to the small sample size within the subgroups. Reporting of suspected adverse reactions with caution of the medicinal product is important. It allows continued monitoring of the benefit/risk balance of the medicinal product. Healthcare professionals are acked to report any suspected adverse reactions with the notional reporting system listed in listed in Agenenda V. **7. MARKETING AUTHORISATION HOLDER** Bristol-Hiyers Squib Pharma EEG Plaza 254 Blanchaudstown Corporate Park 2 Dublin 15, D15 1867 Ireland 8. MARKETING AUTHORISATION NUMBER(S) EU/1/15/1014/002 EU/1/15/1014/003 subject to restricted medical prescription 11. DATE OF REVISION OF THE TEXT 01 september 2022. Detailed information on this medicinal product is available on the website of the European Medicines Agency http://www.ema.europa.eu