



Abstract

Objective: Q}c^i\^~\ä}EGF(Q)SÉGFDA ä•ÄæÄ VE&^||Ä ä^iäc^äÄ &^c[\ä }^Ä , äcÄæ }cäc~ { [~ Ä æ&cäcäc~ Ä ä^ }ä^ }cÄ []Ä ÞSÄ &^||•Ä [Ä ÖÖ IÉÄVÄ&^||•ÉÄÉÄ]!^cÄ [~ •Ä]@æ•^ÄQÄ•c~ ä^ ä^ { []•c!æc^äÄæ }Ä [Ç^iæ||Ä i^•] []•^Ä iæc^ÄÇUÜÜÄ [-ÄGGÉ I Ä äÄ]Ä]!^cä [~ •Ä]^Ä }c!æc^äÄ }æcä^ }cÄ , äcÄÄ { ^cæ•cæcä&Ä { ^}æ } [{ æÄ Y^Ä& [] ä~ &c^äÄæÄ { ~|cäÉ&^ }c!^Äiæ }ä [{ ä : ^ÄÄ]@æ•^ÄQÄ•c~ ä^ ä^ }Ä { ^cæ•cæcä&Ä { ^}æ } [{ æÄ]æcä^ }cÄ [Ä^Çæ]æc^Äc@^Ä^ , &æ&^ÉÄc [çä&äc^Éä { ~ } [*^ }ä&äc^Äæ }ä äÄ [{ æi^Äi^•Äæ•• [&äæc^äÄ , äcÄÄi^•] []•^Äc [Ä QSÉGFÄÇ^!•~^Äæ&æi:äæ:ä }ÄÇÖVÜÖDEÄ

Methods: Ö|ä*äa|Ä^}æcä^ }c•KÄÜ^&~!i^ }cÄ } []Éi^•&cæä|Ä [Ä { ^cæ•cæcä&Ä { ^}æ } [{ æÄ]æcä^ }cÄ , ^i^Äc!^æc^äÄ , äcÄÄ^äc@^Äi^Ä QSÉGFÄHÉÄ*Þ*Þäæ^ÄÄ [^Ä }c!æc^Ä } [~^ÄÇÜXÄäæä|ÄcÄ iÄäæ^•ÉÄ , ^Ä\^ÄFÄHÉÄ IÉÄ~ÄIÄ , ^Ä\^Ä [Ääæ&æi:äæ:ä }ÄÇÖVÜÖDÄFÉÉÄ { *Þ { GAÜXÄäæ^ÄFÉÄ~ÄHA , ^Ä\^ÄÉÄV@^Ä]iä { æi^Ä [äi^Ä&cäc^Ä , æ•Äc [Ä& []æi^Ä]!~!^••ä []Ä~!^Ä•~!çäcæ|ÄÇÜÜDEÄ

Results: Î I Ä]æcä^ }cÄ , ^i^Äiæ }ä [{ ä : ^ÄÉÄHGÄä }Äc@^ÄQSÉGFÄæ! { Äæ }äHGÄä }Äc@^ÄÖVÜÖÄæ! { ÉÄQ }Äc@^Äc!^æc^äÄ [[]~|æcä []ÉÄ ÜÖÜÄÇFÉ I Ä { [] }c@Ä- [ÄQSÉGFÄGÉ I Ä { [] }c@Ä- [ÄÖVÜÖDÄæ }äUÜÜÄ , QSÉGFÄFHEHÄÄÇJ I ÄÄÖQÄHÉ I Äc [ÄHÉ I DEÄ ÖVÜÖÄF I EHÄÄ ÇJ I ÄÄÖQÄ I ÉÉÄc [ÄHGÉ I DÄ , æ•Ä•ä { ä|æiÄ }Ää [cÄ*! [~]•ÉÄ T [•c& [{ [] }æäc^!•^ÄÇ^ }cÄÇÖÖ•DÄ }ÄÉ! { ÄFÄÇQSÉGFÄ , ^i^Ä }æ~•^æÄ ÇH I Ä DEÄæcä~^ÄÇ I I Ä DEÄ^Ç^ÄÇH I Ä DEÄ { æ&~ [É]æ }~|æiÄæ@ÄÇH I Ä DEÄæ }äÄ]!~iäcÄÇH I Ä DEÄQ }ÄÉ! { ÄGÄÇÖVÜÖDÄc@^Ä { [•c& [{ [] }Ä ÇÉÖÄ , ^i^Äæcä~^ÄÇH J Ä DEÄ& []•cä]æcä []ÄÇGJ Ä DEÄæ }äÄ }æ~^æÄÇGFÄ DEÄÖä [{ æi^Äi^•c~äi^•Ä•@ [, ^ÄÄ] [Ä& [i^Ä]æcä []Ä [-ÄÖÖG I Ä &@æ }*^Äæ }äÄÜÜÄ [~c& [^ÄÇPÜMEÉ I IÉÄJ I ÄÄÖDEÄÉ I HÄc [ÄFÉÉGDÉÄ

Conclusions: Ö^•]äc^Ä ^ } & [~ iæ*ä }*Ä^ , &æ&^ ä }ä] iä [Ä]@æ•^Ä QÖQÄ •c~ äi^•ÉÄ c@^Ä i^•~|cÄ •~**^•cÄ c@æcä QSÉGFÄ ä•Ä & [{]æiæä|Äc [ÄÖVÜÖÄä }Äc@ä•Ä]^Ää , &Ä]æcä^ }cÄ [[]~|æcä []É

***Corresponding author:** Teresa M Petrella, Sunnybrook Odette Cancer Centre, 2075 Bayview Avenue, Toronto, Ontario M4N 3M5, Canada, Tel: 416-480-5348; Fax: 416-480-6002; E-mail: teresa.petrella@sunnybrook.ca

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Abstract

Patients and Methods

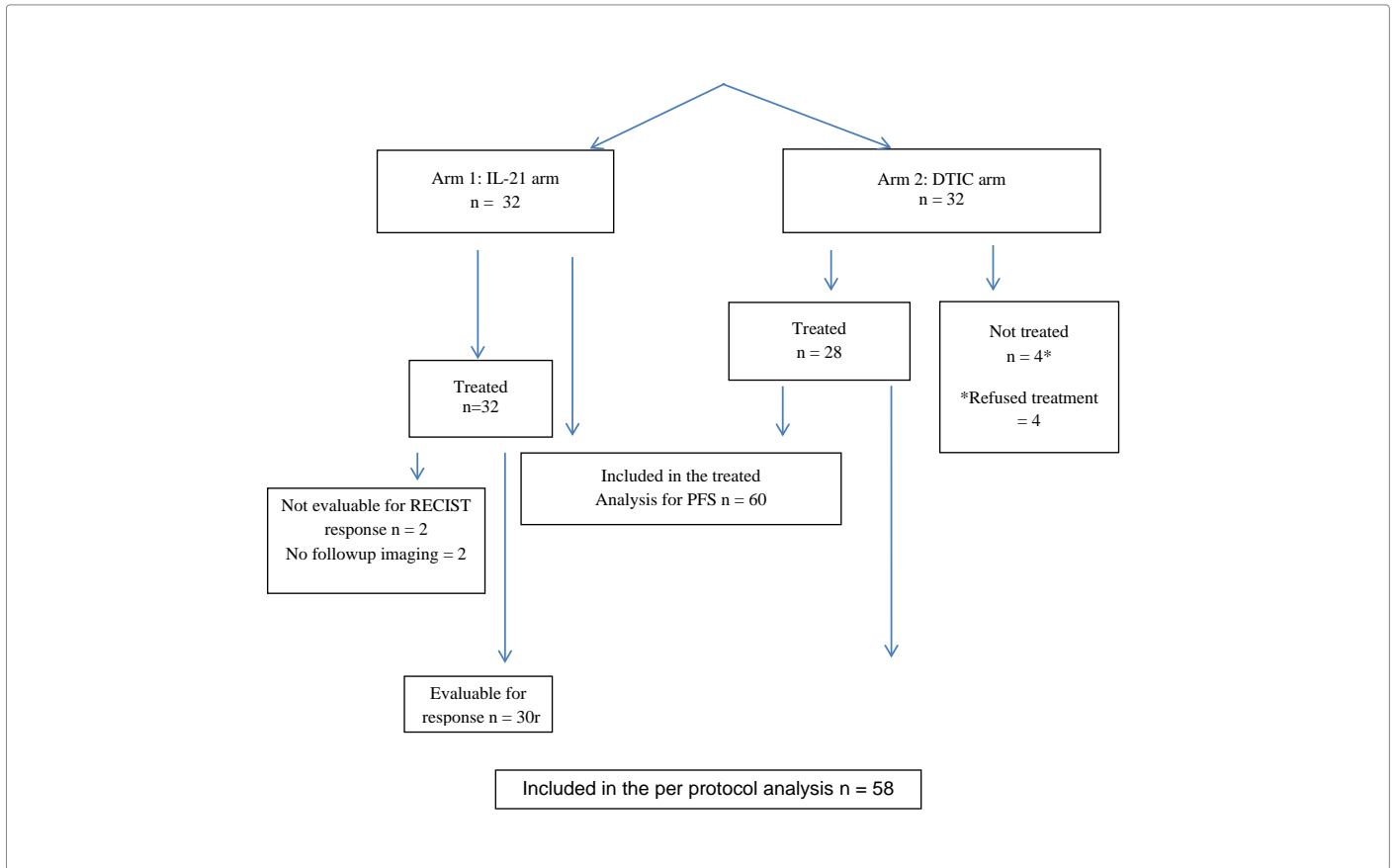
Patients

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Study design

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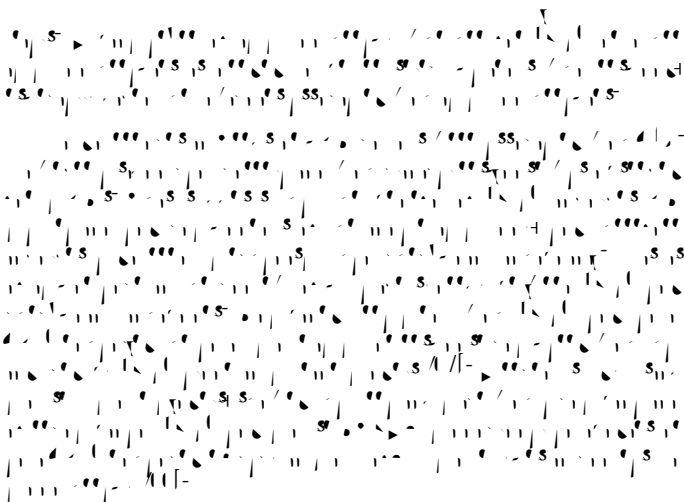
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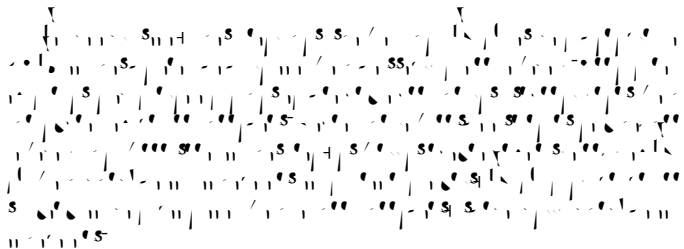
Primary efficacy endpoint

Secondary efficacy endpoints

Secondary efficacy endpoints



Conclusion



Acknowledgements

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Funding

This work was supported by the Canadian Cancer Society a core grant to c @ a i O O V O h e) a h e i e [h e) a] a e i c a h z ^ { [O ^) ^ c i e & e h e) & e h e) a h o i e c [| E T ^ a i U ^ i a a h o T U D E

References

1. Petrella TM, Mihalcioiu C, McWhirter E, Belanger K, Savage KJ, et al. (2013) Øj}æ|h^-, &æ&^A|h^~|c^h [-h p O i O h O V O h Q p O E h G E G h A C E h t æ] a [{ i : ^ h A] @ æ ^ h A Q Q h ^ c ^ a ^ h [-h : ^ h & [{ a i } æ } c h i } c ^ h i ^ \ i } E G F A Ç i U S G F D A i } A] æ c i ^) c ^ h , æ @ A : ^ h ^ i i ^ c h [i A { ^ c æ ^ c æ c i & A melanoma (MM). J Clin Oncol 31.
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3. Ú æ i i a ^ e b [ç æ \ h R E h Ö i] [] h U U E h p ^ i [] h C E E h P æ { { [] a h C E E h U } : ^ h & ^ h i O E h ^ c h æ E h Ç G E E i D h Q } c ^ h i ^ \ i } h G F h e) a h e c ^ h i ^ h & ^ h c [i h e i ^ h e) ç [i ç a h e) h p S i & ^ i | h e) æ) ^ i [] h e) a h i ^ * i] æ c i [] h