Author's response to reviews

Title: New chemolysis for urological calcium phosphate calculi ----a study in vitro

Authors:

Zhang Xiangbo (zhangxb4@tom.com)
Wang Zhiping (wzpurol@yahoo.com)
Duan Jianmin (Duanjianmin@yahoo.com)
Lu Jianzhong (qlz@yahoo.com)
Ma Baoliang (lzmbi@yahoo.com)

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Author's response to reviews:

Dear Sally Dennison Ph. D, Assistant Editor

Thank you so much for your letter informing me about my manuscript. I am sorry for trouble you so much. Now I have revised this manuscript according to the comment of urologist from USA, I find his opinion is invaluable and I had learned a lot from it. Now I am sending the revised paper to you, do you think it fit your standard? If you have any problem to my manuscript please inform me at once, I will reply you prompt. I eagerly expect my manuscript can be published on your journal as quickly as possible.

The changed some parts of my manuscript according to two reviewer's report. These are as follow: By the way, some of the abstract part was changed and I could not do anything about it, they are as page 2, 27th line, " ", and 29th line, and page 3, 3rd line, ' ' were all missing.

Best wishes

Sincerely yours

Zhang Xiang-bo

Title page:

1. The title was inserted "urological calcium"

2. I have changed the author's superscript numbers as Arabic numeral "1, 2, 3, ..." and as "*, S" accordingly.

3. Revised others as " School of Life Sciences, LanZhou University, LanZhou, 730030, China

2Institute of Urology, the 2nd Hospital of LanZhou University, Cuiyingmen 80, LanZhou, 730030, China

*These authors contributed equally to this work
1. Rewrite the background part as "Advances in techniques have left very few indications for open surgical extraction of urinary stones currently. These advances notwithstanding, the search continues for medical approaches to urinary stone management. In this study, we perform an in vitro study analyzing the efficiency and prospect of two new complex solutions in urological calcium phosphate calculi dissolution.

2. Insert "kidney" into 10th line, "all big" to "large", move "(weight range 0.514g0.928g)" follow "enough".

3. 12th line, insert "was done"

4. 15th line, delete "are" between "material" and "different", "with" to "in", "or" to "and"

5. 16th line, insert "." To "S2)." Delete "were investigated"

6. 17th line, delete "each time", "used" to "for".

7. 18th line, "rate" to "rates"

8. 19th line, "of all these" to "for each", delete "s" from "solutions" and add "," behind it. "and the efficiency at" to "using", add "," behind ",(Na+, K+ or Ca2+)", "times" to "dilutions"

9. 20th line, "these" to "Results", add "Test" to the line end

10. 23rd line, add "Calcium" before "phosphate". "can hard be" to "were poorly", insert "," behind "Art", "but has" to "and they had"

11. 24th line, "efficient" to "effective", "are" to "were"
Page 3

1. 1st line, delete "As", "diluted" to "Diluted", "have" to "had".

2. 2nd line, as "effectiveness", "rate" to "rates"

3. 3rd line, "has" to "had"

4. 4th line, "efficiency" to "effectiveness", insert "was" behind S2

5. 5th line, delete "as", add 'after being'

6. 6th line, "reduce" to "reduced", "rate" to "rates"

7. 8th line, "solution" to "solutions"

8. 9th line, add "calcium", "their" to "At", "diluted" to "dilutions," add "these" behind it

9. 12th line, add "Urological" before "phosphate calculi"

10. 16th line, "phosphates" to "phosphate-containing"

11. 18th line, add "recurrent" to "of recurrent calculi", delete "that recur", "best" to "most definitive"

12. 19th line, delete "definitive"

13. 20th line, "All" to "However, while"

14. 21st line, delete "made good works in the treatment of", rewrite as "successfully treated patients with", delete "But their", rewrite as "they are associated with".
15. 22nd line, delete ", the remnant of " behind "tissue", change into "and retained", Change "fragment" to "fragments", "and the" to "have resulted in"

16. 23rd line, add "s" to recurrence.", delete the other

17. 24th line, "one of the" to "an", "options of" to "option for"

18. 27th line, delete "great"

19. 28th line, insert "the"

20. 29th line, "consist" to "consisting"

21. 30th line, delete "and ....calculi", "given" to "delivered"

Page 4

1. 2nd line, 'urothelial refrain' rewrite as "urothelium restrains", add 'solutions with' behind So,

2. 3rd line, "effect" to "effects", 'will' to 'may', add "in vitro " between "our study"

3. 4th line, "designed" instead of "to ...study"

4. 5th line, correct 'deferent' as 'different', delete 'with ...quantity'

5. 6th line, add 'the' between 'in' and 'chemolysis', add 'calcium' before 'phosphate', 'stone' to 'stones'

6. 11th line, add "kidney" between 'underwent' and 'stone', 'all big' to 'large', and rewrite as large enough (weight range from 0.514g0.928g) to be fragmented and matched equally into six groups.

7. 14th line, 'were' to 'was'

8. 15th line, 'were' to 'was'

9. 19th line, rewrite as 'Their m'

10. 20th line, 'their' to 'the', add 's' to 'weight', 'as' instead of 'are provided in'

11. 28th line, rewrite as 'dissolved in 1000ml. distilled water'
1. 4th line, 'into' to 'in'

2. 5th line, (S2) to '(S2, pH 4.0)'

3. 7th line, delete 'altogether 30.0g', delete 'Keep these solvents', rewrite as 'The solution was kept'

4. 8th line, delete 'with a thermostatte', delete 'it' before 'with', delete '(pH 4.0), 'concentration' to 'concentrations'

5. 9th line, 'as' to 'are shown in'

6. 12th line, delete 'altogether 30.0g', 'the same process' to 'processed', add 'described for' between 'as' and 'S2', add '.' Behind 'S2'

7. 13th line, delete '(pH 4.0), 'concentration' to 'concentrations', 'as' to 'are shown in'

8. 15th line, 'alter' to 'altered', delete 'all', 'efficiency' to 'effectiveness'

9. 16th line, 'add' to 'added', add 'of the' before 'initial', 17th , 19th line as the same.

10. 19th line, insert '.' Behind '),', delete 'into', ',', 'diluted' to 'were formulated', 'times' to 'dilutions'.

11. 20th line, insert '.' Behind '),', delete 'of ...determined.' 'has' to 'had'

12. 21st line, 'immersion' to 'stones were immersed'

13. 22nd line, 'change' to 'loss'. 'these' to 'Result'

14. 23rd line, delete 'those ...left', rewrite as 'Stones remaining'

15. 24th line, 'weighted' to 'weighed (gm)', delete 'subtracted ...the', rewrite as 'final weights were applied to the following'

16. 30th line, 'formulae' to 'formula', 'were' to 'was'

Page 6

1. 1st line, delete 'stone'
2. 5th line, 'that was' rewrite as 'containing solvents, which were'

3. 6th line, 'thermostatte' to 'thermostat', 'The solvents' to 'Solvents', delete 'surrounding ...vessel', 'refreshed' to 'exchanged', 'with' to 'at'

4. 7th line, 'permanently' to 'constantly'

5. 11th line, delete 'chemolysis ...using', rewrite as 'analysis represents'

6. 12th line, add ',' before 'and' and delete 'and', delete 'for' behind 'repeated'

7. 15th line, rewrite 'but has' as 'and they had'

8. 16th line, 'solutions are' as 'solutions were'

9. All 'rate' to 'rates'

10. 22nd line, 'rate of' to 'rates of the', delete 'kinds of'

11. 25th line, delete 'at ...72 h' insert 'of stones' between 'loss' and 'dissolved', insert 'at ...72 h.' behind 'solutions', the following was '}()' and add ';;' behind 'S2'

12. 29th line, 'are' to 'were', 'have ...effectiveness' to 'were...extent'

13. 30th line, 'Add' to 'The addition of', 'Sodium Hydroxide' to 'sodium hydroxide'
Page 8

7. 11th line, 'rate' to 'rates:', delete '(' from '(6.04 +/- 1.36)

8. 12th line, effect' to 'effectiveness'

9. 13th line, 'is as' to 'was'

10. 14th line, delete 'its efficiency' to 'the effectiveness was', add 'after solutions were' before 'diluted'

11. 23rd line, add ',' behind 'R', 'it' to 'the treatment', add '.' Behind 'consuming'

12. 25th line, 'can not' to 'cannot'

Page 8

1. 1st line, delete 'will ...reduce', rewrite as 'reduced'

2. 2nd line, 'but a contradicted' to 'A contradictory' and add '.' Before 'A', 'has' to 'was'

3. 3rd line, 'may promote' to 'promotes'

4. 4th line, insert 'S1 and S2' behind 'Our', 'are as' to 'were', delete 'but ...formula', rewrite as 'although actual formulas were different.'

5. 5th line, 'add' to 'added', delete 'a' before 'new', rewrite 'helps ...combined' to 'bind with'

6. 6th line, insert 'well' before 'by', 'other different' to 'new', delete 'with ...used', rewrite as 'and ingredients at',

7. 7th line, add '.' Behind 'weights.' Delete 'which ...R'' , 'concentration' to 'our solutions'

8. 8th line, 'enhanced their' to 'enhanced stone', 'rate' to 'rates', insert 'it' behind 'but', 'prevent' to 'prevented', add '.' Behind 'dissolution', delete 'procedure'

9. 9th line, delete 'be' before 'diluted', 'solution' to 'solutions', 'provide' to 'have gained'

10. 10th line, 'solution' to 'solutions', 'so embody a' to 'achieve'

11. 11th line, 'solution' to 'solutions', 'has' to 'had', 'which has' to 'suggesting that', 'taking' to 'took'

12. 12th line, 'accounts' to 'accounting', add ',' behind 'So'
13. 13th line, insert 'more' behind 'be', 'solution' to 'solutions'
14. 20th line, 'Calcium' to 'calcium'
15. 21st line, 'for which the' to 'produce a', delete 'was titrated'
16. 22nd line, 'has been evaluated' to 'is elevated'
17. 23rd line, 'efficiency' to 'effectiveness'
18. 24th line, add 'minor quantities of' behind 'Added'
19. 25th line, 'cause' to 'apparently causes'
20. 29th line, 'solution' to 'solutions', 'phosphate stone' to 'calcium phosphate stones'
21. 30th line, delete 'especially ...diluted', rewrite as 'at a precise dilution of their chemical components'

Page 9
1. 1st line, 'might are' to 'may become', delete 'the' before 'modern'
2. 3rd line, delete 'in', insert '. Their roles may be suited for'
3. 4th line, delete 'although its', rewrite as '. However, their', insert 'profiles' behind 'safety'
4. 5th line, delete 'using ...its', rewrite as 'in order to support their'

Page 10
1. 24th line, correct 'figgures' to 'figures'
2. 25th line, 'rate' to 'rates', 'use' to 'using'
3. 29th line, 'statistic' to 'statistics'

Page 11
1. 11th line, insert 'was' before 'less'

2. 33rd line, table 2, 'show there is' to 'showing that there was', insert 'was' before 'less'

Page 12

1. 1st line, Table 3, delete 'Main ...weight', rewrite as 'Molecular formulae and molecular weights of chemical drugs'

2. Table 4, 'Main ...in' to 'Concentrations of chemical drugs contained'

3. Table 4, 25th line, 'solution' to 'solutions', 'as' to 'of'

4. Table 4, 26th line, 'Diluted solution' to 'In diluted solutions'

5. Table 4, 27th line, add 'were diluted' behind 'cations', add 'such that' before 'their', 'will' to 'did', 'be changed' to 'change', delete 'for ....solutions'

6. Table 5, 31st line, 'kinds of difference solution' to 'different solutions'

7. Table 5, 34th line, 'statistic' to 'statistics'

Figures

Figure 1 as:

Figure 2 as:
Figure 3 as: