



In general, ^{[Alkali}/_{vs acid]} injuries are worse than ^{[Alkali}/_{vs acid]}.





In general, alkali injuries are worse than acid.



.

In general, alkali injuries are worse than acid. Alkali causes [mechanism...] [...of injury], which leads to [effect on cells]





In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption.





In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids [mechanism of injury], causing [effect], which actually acts to [protective effect]





In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.





In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the [first] phase and the [post-first] phase.





In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase.



In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is [goooo...] [...ooooal].





In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical.





In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by [maneuver 1] and [maneuver 2] .





In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by irrigation and sweeping the fornices.



In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by irrigation and sweeping the fornices.

The post-acute phase has 4 goals:

1)



In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by irrigation and sweeping the fornices.

The post-acute phase has 4 goals:

1) Decrease [one word]

2) Control [abb.]

3) Promote [two words]

4) Promote [two words]



In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by irrigation and sweeping the fornices.

The post-acute phase has 4 goals:

1) Decrease inflammation

2) Control IOP

3) Promote wound healing



In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by irrigation and sweeping the fornices.

The post-acute phase has 4 goals:

1) Decrease inflammation. This is accomplished with intense [route of admin] [drug] X [amount of time]

2) Control IOP

3) Promote wound healing



In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by irrigation and sweeping the fornices.

The post-acute phase has 4 goals:

1) *Decrease inflammation*. This is accomplished with intense topical steroids x 1-2 weeks

2) Control IOP

3) Promote wound healing



In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by irrigation and sweeping the fornices.

The post-acute phase has 4 goals:

1) Decrease inflammation. This is accomplished with intense topical steroids x 1-2 weeks, at which time it must be tapered off so as not to [undesirable side effect]

2) Control IOP

3) Promote wound healing



In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by irrigation and sweeping the fornices.

The post-acute phase has 4 goals:

1) *Decrease inflammation*. This is accomplished with intense topical steroids x 1-2 weeks, at which time it must be tapered off so as not to inhibit wound healing.

2) Control IOP

3) Promote wound healing



In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by irrigation and sweeping the fornices.

The post-acute phase has 4 goals:

1) Decrease inflammation. This is accomplished with intense topical steroids x 1-2 weeks, at which time it must be tapered off so as not to inhibit wound healing. Two useful adjuvant therapies are [drug] and [dietary...

2) Control IOP

3) Promote wound healing



In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by irrigation and sweeping the fornices.

The post-acute phase has 4 goals:

1) Decrease inflammation. This is accomplished with intense topical steroids x 1-2 weeks, at which time it must be tapered off so as not to inhibit wound healing. Two useful adjuvant therapies are doxy and citric acid.

2) Control IOP

3) Promote wound healing



In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by irrigation and sweeping the fornices.

The post-acute phase has 4 goals:

1) Decrease inflammation. This is accomplished with intense topical steroids x 1-2 weeks, at which time it must be tapered off so as not to inhibit wound healing. Two useful adjuvant therapies are doxy and citric acid. Both are potent chelators of extracellular [ion], which is needed for [cell type] degranulation.

2) Control IOP

3) Promote wound healing



In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by irrigation and sweeping the fornices.

The post-acute phase has 4 goals:

Decrease inflammation. This is accomplished with intense topical steroids x 1-2 weeks, at which time it must be tapered off so as not to inhibit wound healing. Two useful adjuvant therapies are doxy and citric acid. Both are potent chelators of extracellular Ca²⁺, which is needed for PMN degranulation. *PMN = Polymorphonuclear leukocytes; ie, neutrophils* Control IOP

3) Promote wound healing



In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by irrigation and sweeping the fornices.

The post-acute phase has 4 goals:

Decrease inflammation. This is accomplished with intense topical steroids x 1-2 weeks, at which time it must be tapered off so as not to inhibit wound healing. Two useful adjuvant therapies are doxy and citric acid. Both are potent chelators of extracellular Ca²⁺, which is needed for PMN degranulation. Of course, a [drug class] is used as well.
Control IOP

3) Promote wound healing



In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by irrigation and sweeping the fornices.

The post-acute phase has 4 goals:

Decrease inflammation. This is accomplished with intense topical steroids x 1-2 weeks, at which time it must be tapered off so as not to inhibit wound healing. Two useful adjuvant therapies are doxy and citric acid. Both are potent chelators of extracellular Ca²⁺, which is needed for PMN degranulation. Of course, a cycloplegic agent is used as well.
Control IOP

3) Promote wound healing



In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by irrigation and sweeping the fornices.

The post-acute phase has 4 goals:

1) Decrease inflammation. This is accomplished with intense topical steroids x 1-2 weeks, at which time it must be tapered off so as not to inhibit wound healing. Two useful adjuvant therapies are doxy and citric acid. Both are potent chelators of extracellular Ca²⁺, which is needed for PMN degranulation. Of course, a cycloplegic agent is used as well.

2) Control IOP. This is best done with [drug and route] to avoid

[undesirable side effect of different route]

3) Promote wound healing



In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by irrigation and sweeping the fornices.

The post-acute phase has 4 goals:

1) Decrease inflammation. This is accomplished with intense topical steroids x 1-2 weeks, at which time it must be tapered off so as not to inhibit wound healing. Two useful adjuvant therapies are doxy and citric acid. Both are potent chelators of extracellular Ca²⁺, which is needed for PMN degranulation. Of course, a cycloplegic agent is used as well.

2) *Control IOP*. This is best done with PO Diamox to avoid epithelial toxicity from topical hypotensives.

3) Promote wound healing



In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by irrigation and sweeping the fornices.

The post-acute phase has 4 goals:

1) Decrease inflammation. This is accomplished with intense topical steroids x 1-2 weeks, at which time it must be tapered off so as not to inhibit wound healing. Two useful adjuvant therapies are doxy and citric acid. Both are potent chelators of extracellular Ca²⁺, which is needed for PMN degranulation. Of course, a cycloplegic agent is used as well.

2) *Control IOP*. This is best done with PO Diamox to avoid epithelial toxicity from topical hypotensives.

3) *Promote wound healing*. This is done with [supplement] , which increases AC [supplement] levels and promotes [structural synthesis.



In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by irrigation and sweeping the fornices.

The post-acute phase has 4 goals:

1) Decrease inflammation. This is accomplished with intense topical steroids x 1-2 weeks, at which time it must be tapered off so as not to inhibit wound healing. Two useful adjuvant therapies are doxy and citric acid. Both are potent chelators of extracellular Ca²⁺, which is needed for PMN degranulation. Of course, a cycloplegic agent is used as well.

2) Control IOP. This is best done with PO Diamox to avoid epithelial toxicity from topical hypotensives.

3) *Promote wound healing*. This is done with ascorbic acid, which increases AC ascorbate levels and promotes collagen synthesis.



In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by irrigation and sweeping the fornices.

The post-acute phase has 4 goals:

1) Decrease inflammation. This is accomplished with intense topical steroids x 1-2 weeks, at which time it must be tapered off so as not to inhibit wound healing. Two useful adjuvant therapies are doxy and citric acid. Both are potent chelators of extracellular Ca²⁺, which is needed for PMN degranulation. Of course, a cycloplegic agent is used as well.

2) *Control IOP*. This is best done with PO Diamox to avoid epithelial toxicity from topical hypotensives.

3) *Promote wound healing*. This is done with ascorbic acid, which increases AC ascorbate levels and promotes collagen synthesis. (Careful! Ascorbic acid is [organ-damage].)



In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by irrigation and sweeping the fornices.

The post-acute phase has 4 goals:

1) Decrease inflammation. This is accomplished with intense topical steroids x 1-2 weeks, at which time it must be tapered off so as not to inhibit wound healing. Two useful adjuvant therapies are doxy and citric acid. Both are potent chelators of extracellular Ca²⁺, which is needed for PMN degranulation. Of course, a cycloplegic agent is used as well.

2) *Control IOP*. This is best done with PO Diamox to avoid epithelial toxicity from topical hypotensives.

3) *Promote wound healing*. This is done with ascorbic acid, which increases AC ascorbate levels and promotes collagen synthesis. (Careful! Ascorbic acid is nephrotoxic.)



In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by irrigation and sweeping the fornices.

The post-acute phase has 4 goals:

1) Decrease inflammation. This is accomplished with intense topical steroids x 1-2 weeks, at which time it must be tapered off so as not to inhibit wound healing. Two useful adjuvant therapies are doxy and citric acid. Both are potent chelators of extracellular Ca²⁺, which is needed for PMN degranulation. Of course, a cycloplegic agent is used as well.

2) *Control IOP*. This is best done with PO Diamox to avoid epithelial toxicity from topical hypotensives.

3) *Promote wound healing*. This is done with ascorbic acid, which increases AC ascorbate levels and promotes collagen synthesis. (Careful! Ascorbic acid is nephrotoxic.)

4) Promote epi healing with 3 maneuvers: [1 drug; 1 device; 1 surgery]



In general, alkali injuries are worse than acid. Alkali causes saponification of cell membrane fatty acids, which leads to cell membrane disruption. In contrast, acids denature proteins, causing protein precipitation, which actually acts to block deeper penetration by the acid.

Management of chemical injury can be divided into the acute phase and the post-acute phase. The treatment goal in the acute phase is removing the chemical. This is accomplished by irrigation and sweeping the fornices.

The post-acute phase has 4 goals:

1) Decrease inflammation. This is accomplished with intense topical steroids x 1-2 weeks, at which time it must be tapered off so as not to inhibit wound healing. Two useful adjuvant therapies are doxy and citric acid. Both are potent chelators of extracellular Ca²⁺, which is needed for PMN degranulation. Of course, a cycloplegic agent is used as well.

2) *Control IOP*. This is best done with PO Diamox to avoid epithelial toxicity from topical hypotensives.

3) *Promote wound healing*. This is done with ascorbic acid, which increases AC ascorbate levels and promotes collagen synthesis. (Careful! Ascorbic acid is nephrotoxic.) (preservative-free artificial tears)

4) Promote epi healing with 3 maneuvers: PF ATs, BCL, tarsorrhaphy