WIKI DATA ORGANIZATION

templates, functions, and variables on a medial wiki

Daniel Ostermayer, MD
Assistant Prof. Emergency Medicine at UTHSC
Head of Software WikEM.org

FINANCIAL DISCLOSURE

- No financial benefit from WikEM. I am Vice President of the OpenEM Foundation nonprofit which handles finances for wikem.org

CORE PRINCIPLES

- Reusable Data
- Community Culture
- Abstract Complexity

wikem.org

QUICK MEDICAL REFERENCES

Antibiotics by diagnosis

Antibiotics by diagnosis [edit]

- Bone and joint antibiotics
- Cardiovascular antibiotics
- ENT antibiotics antibiotics
- Eye antibiotics
- GI antibiotics
- GU antibiotics
- Neuro antibiotics
- OB/GYN antibiotics
- Pulmonary antibiotics
- Skin and soft tissue antibiotics
- Bioterrorism antibiotics
- Environmental exposure antibiotics
- Immunocompromised antibiotics
- Post exposure prophylaxis antibiotics
- Pediatric antibiotics
- Sepsis antibiotics
- Arthropod and parasitic antibiotics

For antibiotics by organism see Microbiology (Main)

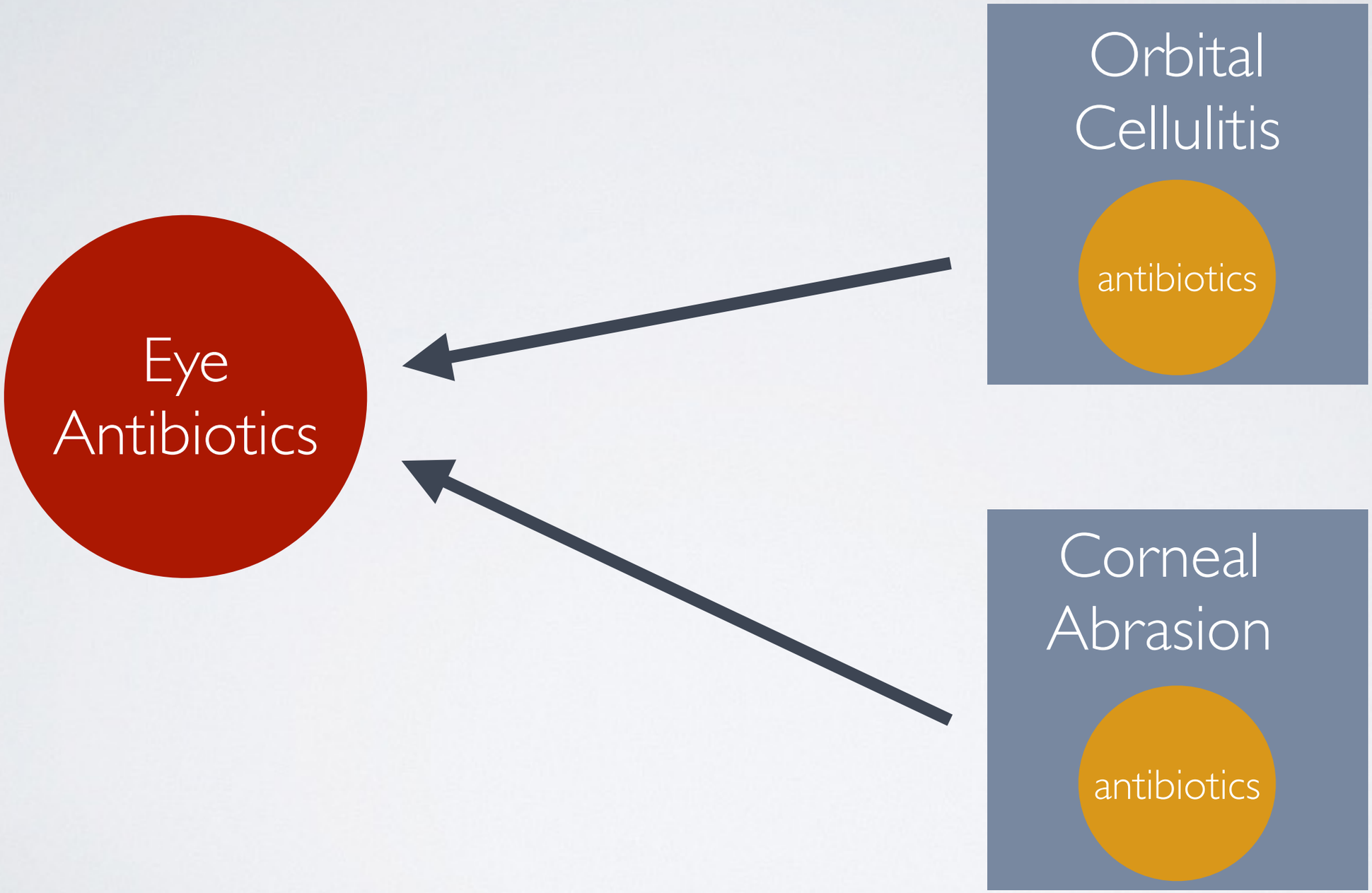
See Also [edit]

- Antibiotics (Main)
- Initial Antibiotics in Sepsis
- Antibiotics by organism

Quick Reference Groups [edit]

Adult	
Category	**Weight**
Large adult	100kg
ADULT	70kg
Small adult	50kg
Pediatric	
Broslow Color	**Weight (Age)**
Green	35kg (10yr)
Orange	25kg (8yr)
Blue	20kg (6yr)
White	15kg (4yr)
Yellow	12kg (2yr)
Purple	10kg (1yr)
Red	8kg (6mo)
Pink	6kg (4mo)
Gray	5kg (2mo)
	3.5kg (newborn)
Premie	2kg (preemie)

{{TEMPLATES}}


Orbital Cellulitis
antibiotics
Eye Antibiotics
Corneal Abrasion
antibiotics

ANTIBIOTIC REFERENCE

Antibiotics by diagnosis

Antibiotics by diagnosis [edit]

- Bone and joint antibiotics
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For antibiotics by organism see Microbiology (Main)

See Also [edit]

- Antibiotics (Main)
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- Antibiotics by organism

{{Antibiotics by diagnosis navigation}}

Eye antibiotics

Corneal Abrasion [edit]

Does Not Wear Contact Lens [edit]

- Erythromycin ointment qid x 3-5d OR
- Ciprofloxacin 0.3% ophthalmic solution 2 drops q6 hours
- Ofloxacin 0.3% solution 2 drops q6 hours
- Sulfacetamide 10% ophthalmic ointment q6 hours

Wears Contact Lens [edit]

Antibiotics should cover pseudomonas and favor 3rd or 4th generation fluoroquinolones

- Levofloxacin 0.5% solution 2 drops ever 2 hours for 2 days THEN q6hrs for 5 days OR
- Moxifloxacin 0.5% solution 2 drops every 2 hours for 2 days THEN q6hrs for 5 days OR
- Tobramycin 0.3% solution2 drops q6hrs for 5 days OR
- Gatifloxacin 0.5% solution 2 drops every 2 hours for 2 days THEN q6hrs for 5 days OR
- Gentamicin 0.3% solution 2 drops six times for 5 days

==[[Corneal Abrasion]]==
{{Corneal Abrasion Antibiotics}}

Orbital Cellulitis [edit]

Vancomycin 15-20mg/kg IV BID + (one of the following)

1. Ampicillin/Sulbactam 3 g IV q6hr OR
2. Ticarcillin/Clavulanate 3.1 g IV q4h OR
3. Piperacillin-Tazobactam 4.5 g IV q6h OR
4. Ceftriaxone 2 g IV q12hr OR
5. Cefotaxime 2 g IV q4h

==[[Orbital Cellulitis]]==
{{Orbital Cellulitis Antibiotics}}

See Also [edit]

Antibiotics by diagnosis [edit]

- Bone and joint antibiotics
- Cardiovascular antibiotics
- ENT antibiotics antibiotics
- **Eye antibiotics**
- GI antibiotics
- GU antibiotics

==See Also==
{{Antibiotics by diagnosis navigation}}

ANTIBIOTIC REFERENCE

- Centralized page for all diagnoses
- Diagnosis specific antibiotics exist as templates on individual pages
- Minimizes error & Reduces effort

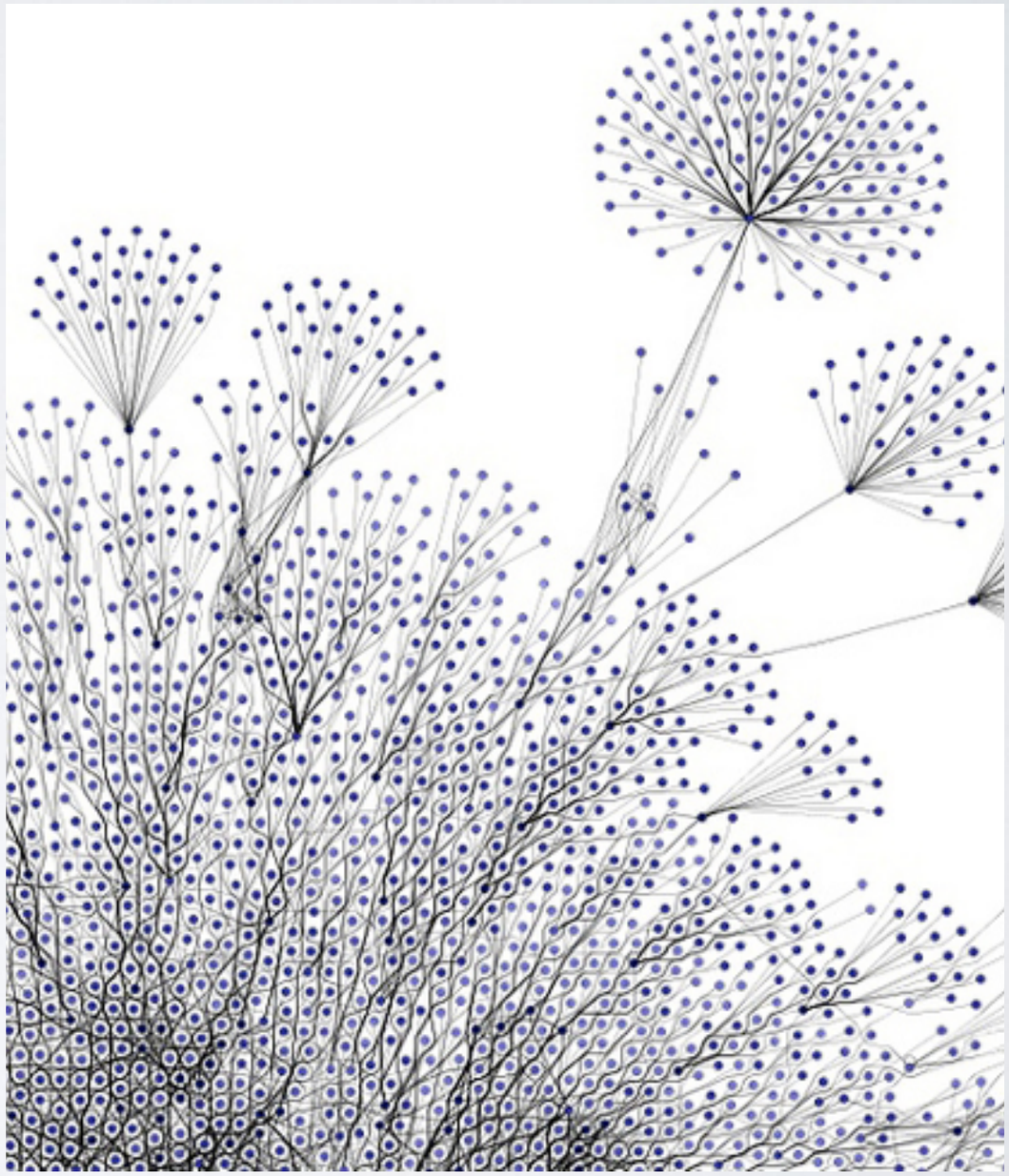
COMMUNITY CULTURE

- Start from Day 1
- Encourage mentorship
- Pay greater attention to new users

ABSTRACT COMPLEXITY

- Combining Templates and Variables

- Critical Care Quick Reference



QUICK REFERENCE

bit.ly/wikem-critical

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==Quick Reference Groups==
{{Critical care main}}

Required Tools:

1. ParserFunctions
2. Variables
3. Templates

8kg (6mo)

Critical Care Quick Reference Group

Weight	8 kg
Age	6 months
Broselow Color	Red

Normal Vital Signs [edit]

Heart Rate	130
Respiratory Rate	25
Systolic BP	>70

==[[Critical Care Quick Reference]] Group==
{{#vardefine:weight|8}} {{#vardefine:age|0.5}}

```
{| class="wikitable"
|-
| Weight||{{#var:weight}} kg
|-
| Age||{{#ifexpr:{{#var:age}}<1|{{#expr:ceil( {{#var:age}}*12)}}  months | {{#var:age}} years}}
|-style="background:lightgreen"
| [[Broselow Color]]||Green
|-
|}
```

{{CCQuickRef}}

http://bit.ly/cc-example

Intubation

Medication	Dose	Calculation
Pretreatment		
Lidocaine	12 mg	1.5 mg/kg[1]
Fentanyl	8 mcg	1 mcg/kg
Atropine	0.16 mg	0.02 mg/kg
RSI		
Etomidate	2.4 mg	0.3 mg/kg
Succinylcholine	12 mg	1.5 mg/kg
Midazolam (Versed)	0.8 mg	0.1 mg/kg (max 2 mg per dose)
Ketamine	16 mg	2 mg/kg
Vecuronium	0.8 mg	0.1 mg/kg
Rocuronium	8 mg	1 mg/kg
Equipment		
ET Tube (cuffed)	4 ±0.5	age/4+3
ET Tube (uncuffed)	5 ±0.5	age/4+4
Blade	1	Miller or MAC
cm to teeth	12	3 x ETT size

{{CCQuickRef}}

{{Dosing Variables}}

{{#vardefine:etomidatedoseint|0.3}}
{{#vardefine:midazolam|0.1}}
{{#vardefine:midazolammax|2}}

{{#vardefine:weight|8}} {{#vardefine:age|0.5}}

{{CCQuickRef}}

Intubation

Medication	Dose	Calculation
Pretreatment		
Lidocaine	**Expression error: Unexpected * operator.** mg	1.5 mg/kg[1]
Fentanyl	**Expression error: Unexpected * operator.** mcg	1 mcg/kg **Expression error: Unexpected < operator.**
RSI		
Etomidate	**Expression error: Unexpected * operator.** mg	0.3 mg/kg
Succinylcholine	**Expression error: Unexpected * operator.** mg	1.5 mg/kg
Midazolam (Versed)	**Expression error: Unexpected < operator.** mg	0.1 mg/kg (max 2 mg per dose)
Ketamine	**Expression error: Unexpected * operator.** mg	2 mg/kg
Vecuronium	**Expression error: Unexpected * operator.** mg	0.1 mg/kg
Rocuronium	**Expression error: Unexpected * operator.** mg	1 mg/kg
Equipment		
ET Tube (cuffed)	**Expression error: Unexpected < operator.** ±0.5	age/4+3 **Expression error: Unexpected < operator.**

http://bit.ly/cc-example

Intubation

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{{CCQuickRef}}

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http://bit.ly/cc-example

{{CCQuickRef}}

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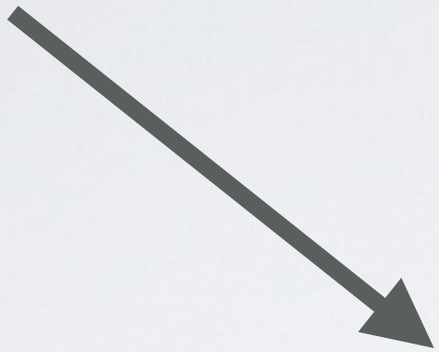
Midazolam (Versed)	0.8 mg	0.1 mg/kg (max 2 mg per dose)



if weight based dose of medication is > than max dose
then output max dose
otherwise output weight based dose

{{#vardefine:weight|8}} {{#vardefine:age|0.5}}

http://bit.ly/cc-example

{{CCQuickRef}}

{{Dosing Variables}}

{{#vardefine:etomidatedoseint|0.3}}
{{#vardefine:midazolam|0.1}}
{{#vardefine:midazolammax|2}}

Midazolam (Versed)	0.8 mg	0.1 mg/kg (max 2 mg per dose)

{{#ifexpr: {{#expr:{{#var:weight}}*{{#var:midazolam}} round 1 }} >
{{#var:midazolammax}}
| {{#var:midazolammax}} |
{{#expr:{{#var:weight}}*{{#var:midazolam}} round 1 }} }} mg
|| {{#var:midazolam}} mg/kg
 (max {{#var:midazolammax}} mg per dose)

{{#vardefine:weight|8}} {{#vardefine:age|0.5}}

SPEED

- Updates to dosing are changed everywhere
- Guideline updates happen in seconds
- No data duplication, Less user error

OTHER PROJECTS @ WIKEM.ORG

- Offline Sync
- Mobile Application Development
- Institutional and Hospital Knowledge Portals
- Student Journal Clubs

ONLINE GUIDES

- http://www.mediawiki.org/wiki/Help:Templates

- http://en.wikipedia.org/wiki/Wikipedia:Templates

Thank You

"Common sense in matters medical is rare, and is usually in inverse ratio to the degree of education."

–Sir William Osler

dan@wikem.org