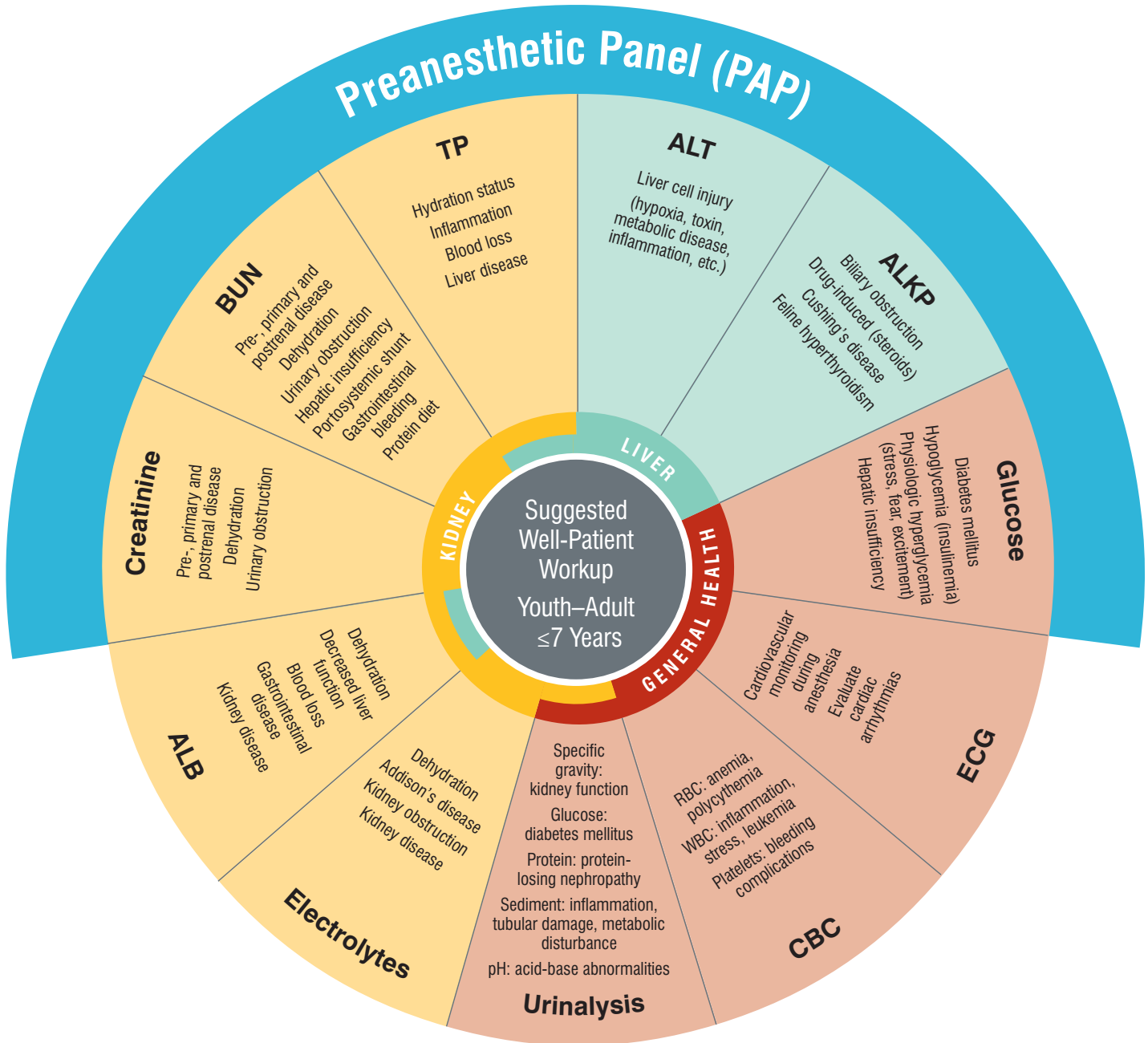


# Get the Whole Picture

Before making anesthetic decisions



## Medications with contraindications in patients with liver or kidney disease

### LIVER

Halothane  
Ketamine  
Tiletamine/Zolazepam  
Butorphanol  
Xylazine  
Medetomidine

### KIDNEY

Ketamine  
Tiletamine/Zolazepam  
Butorphanol  
Xylazine  
Medetomidine

## Suggested additional testing

### CANINE

LIPA  
GGT  
Heartworm  
Tick-borne diseases

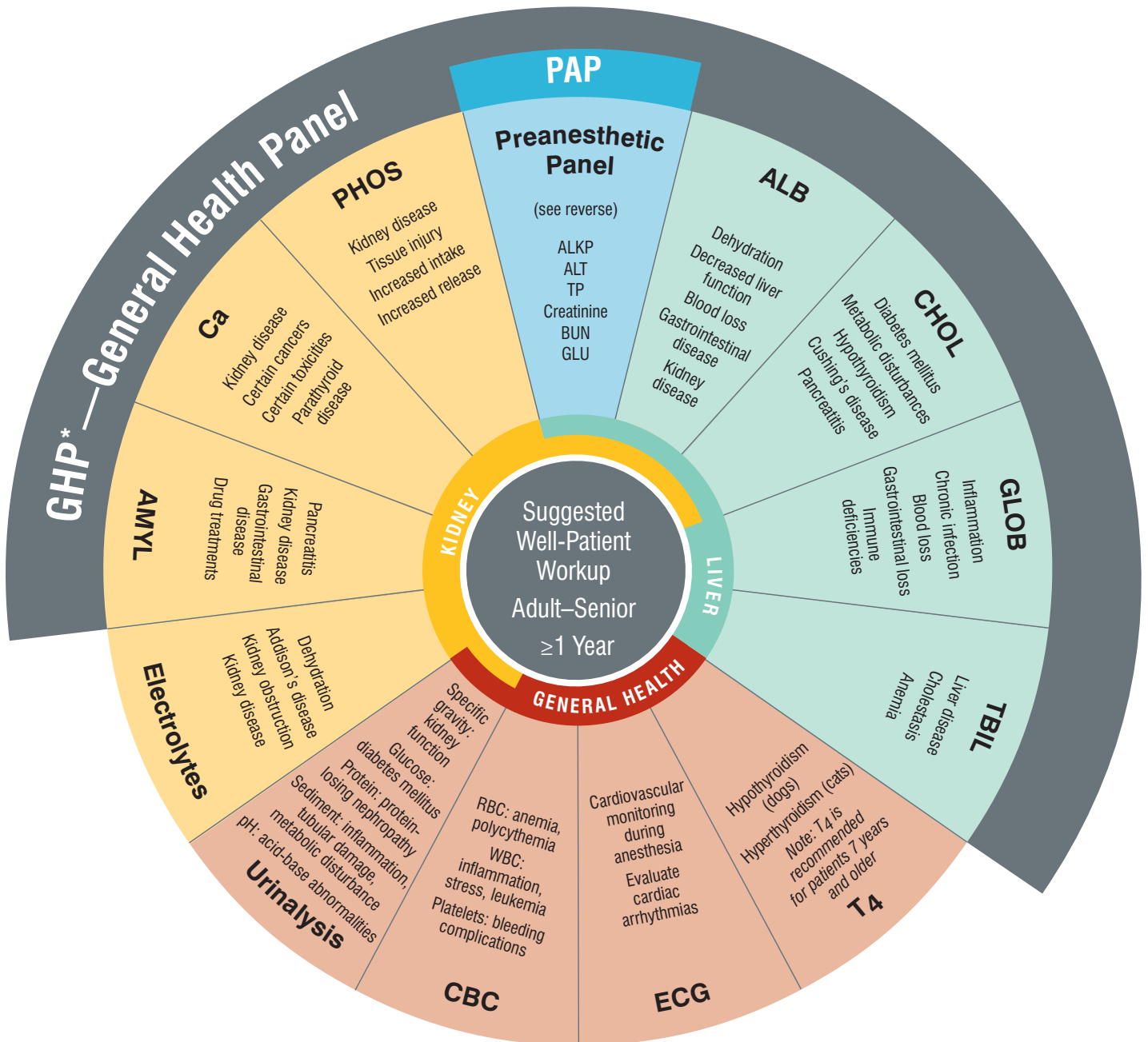
### FELINE

GGT  
Heartworm  
FIV/FelV

For more information or to place an order, call your IDEXX Distributor Representative, call IDEXX directly at 1-800-340-4579 or visit [www.idexx.com/prean](http://www.idexx.com/prean).

# Establish a Baseline

On every patient



## Medications with contraindications in patients with liver or kidney disease

### LIVER

Halothane  
Ketamine  
Tiletamine/Zolazepam  
Butorphanol  
Xylazine  
Medetomidine

### KIDNEY

Ketamine  
Tiletamine/Zolazepam  
Butorphanol  
Xylazine  
Medetomidine

## Suggested additional testing

### CANINE

LIPA  
GGT  
Heartworm  
Tick-borne diseases

### FELINE

GGT  
Heartworm  
FIV/FelV

\*The Diagnostic Health Panel (DHP) gives you a choice when establishing a minimum database; LIPA (replacing CHOL) monitors pancreatic health and GGT (replacing PHOS) better characterizes cholestatic liver disease in dogs and cats. This is the recommended testing protocol for any patient where illness is suspected prior to an anesthetic event.

**IDEXX**  
LABORATORIES

[www.idexx.com/prean](http://www.idexx.com/prean)

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