Examples of before and after graphic treatments

Moderate makeover 1: trace and colorization

Raster (.tif) graphic: original submission

PROBLEMS:
• Low-resolution imagery
• Fragmented lines
• Type hard to read

Vector graphic: final version

This figure was probably first created with a vector program and then saved in a raster format that is difficult to edit.

If the image was not originally a photo or some other type of direct imaging (e.g. photo, X ray, infrared), it was almost surely created with a vector drawing program.

The Graphics Department at Annual Reviews had to use the original only as a template to trace all the lines using a vector program (Adobe Illustrator) that describes objects as editable paths, not arrays of small pixels.

Annual Reviews would like all imagery that is not inherently raster (such as photography) to be submitted in a vector format so that individual elements and type can be selected and edited easily.
**Examples of before and after graphic treatments**

**Minor make-over 1: partial colorization**

PROBLEMS (BOTH EXAMPLES):
- Difficult to discriminate color-coded data
- Thin lines, uniform line weight
- Serif type hard to read, uneditable

**Minor make-over 2: total colorization**
Examples of before and after graphic treatments

Extreme makeover 1

![Colored pencil / ink: original submission](image1)

**PROBLEMS:**
- Weird font, labels overlap with outlines
- Thin lines, hard to make out colors
- Main information and the nerve systems are less prominent than organs and outline

![Vector graphic: final version](image2)

Extreme makeover 2

![Bitmapped graphic: original submission](image3)

**PROBLEMS:**
- All type uneditable
- Entire image badly pixelated
- Unclear meaning and flow

![Vector graphic: final version](image4)