Conclusion

The limiting resolution of the Quantum GX and Quantum FX imaging systems is market leading. The theoretical limiting resolution of 9 µm in the Quantum GX and ability to visually identify a 15 µm line in a bar pattern phantom is better than any other system currently available. This resolution is quite sufficient relative to the common needs for small animal imaging applications. Small anatomical structures such as trabecular bone and small vessels can be easily resolved with the resolutions achieved on either imaging system.[12, 13]

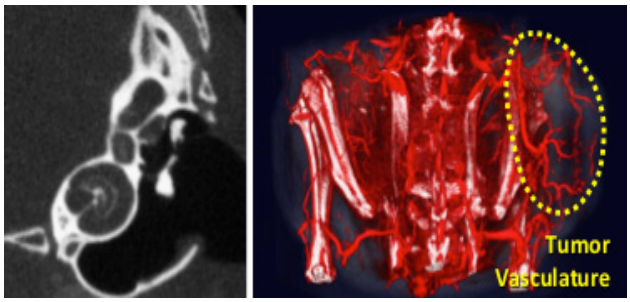

Figure 6: Images of (A) mouse inner ear structure and (B) tumor vasculature in a murine tumor model obtained using the Quantum GX.

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