

**Anatomy Observation and Drawing workshop, at the virtual Anatomical Society Winter Meeting 2020. Leonard Shapiro is your workshop instructor.**

**You need absolutely NO drawing experience in order to attend this workshop.**

**Date:** Tuesday 5<sup>th</sup> January 2021.

**Time:** 9.30am - 4.00pm - with short breaks and discussion time.

**Venue:** You will join the workshop via your webcam.

**Number of attendees:** This workshop is limited to 15 people.

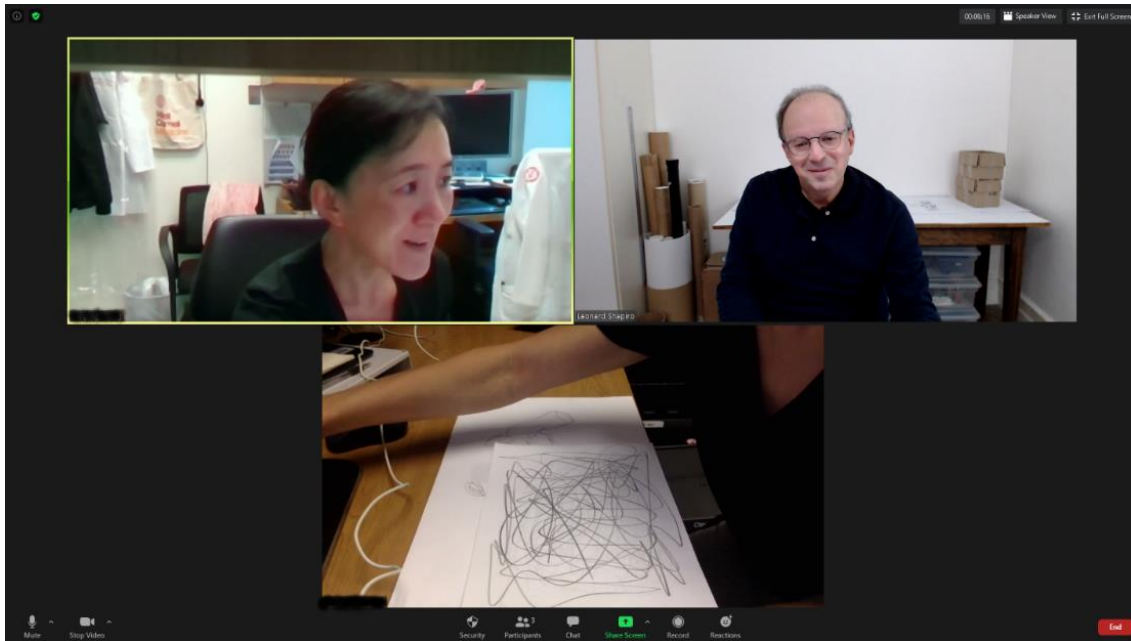
**TO REGISTER:** email [leonard.shapiro@uct.ac.za](mailto:leonard.shapiro@uct.ac.za) Registration is on a first come first serve basis.

**Registration deadline:** 24<sup>th</sup> December 2020

There is no charge to you for this workshop and is a part of your Anatomical Society Winter Meeting 2020 experience.



Before Covid-19: Health care professionals attending an Anatomy Observation and Drawing workshop at the University of Cape Town, South Africa, 2019.



2020: Enjoying the workshop experience via Zoom webcam, anywhere in the world. Here with an educator at Weill Cornell Medical College.

## About the Workshop

Leonard Shapiro has developed a multi-sensory observation method, which crucially employs our sense of touch (as well as sight) coupled with drawing. It is called the Haptico-visual observation and drawing (HVOD) method (Shapiro, et al 2019, Reid, et al 2018). In anatomy study, the benefits of observing using this method includes i) enhanced observation of the 3D form of anatomical parts, ii) the cognitive memorization of anatomical parts as a 3D mental picture, iii) improved spatial orientation within the volume of anatomical parts and iv) an ability to draw.

Leonard has a Bachelor of Arts in Fine Art (Hons) and teaches this method of observation and drawing to medical students, anatomy educators and health care professionals, at the University of Cape Town (UCT) in South Africa.

In this workshop, you will be guided through a series of steps which will enable you to practice this observation and drawing method.

In 2017, a similar Anatomy Observation and Drawing workshop was run by Leonard at the Newcastle University School of Medical Education, at the invitation of Dr Iain Keenan. This workshop was attended by nine anatomy educators and practitioners from different parts of the UK.

## These are what some of the participants had to say about this workshop..

"When I started the workshop with Leonard, I was a little apprehensive as to what to expect - not being an artist and really wanting my end product to look like the 'real thing'. Over the workshop, Leonard managed to change my view about observing and drawing and what I should be trying to achieve, ensuring that at the end of the workshop I had fully explored the anatomy of the bones and had learnt a lot by making marks on paper rather than trying to 'reproduce' the item. Even at the end of the workshop, I don't think I appreciated how much

I had learnt. It was only later when I needed to draw on a thorough knowledge of the anatomy of the inside of the skull that I realised how much I had learnt by following Leonard's observation method. If you want to really learn about anatomy or consolidate your knowledge, then this workshop is an excellent way to do that" - **Janet Philp, Biomedical Sciences University of Edinburgh.**

"The haptic drawing workshop that I attended at the Anatomy Department of Newcastle University run by Leonard was excellent. He taught us all how to explore three-dimensional objects and anatomical specimens through vision and touch. This allowed us to really engage with the material and to hone our observational skills and, consequently, to develop our understanding of anatomical form. The collegiate atmosphere in the class created a very positive learning environment. I would thoroughly recommend Leonard's haptic observation and drawing workshop and am planning on using the techniques and skills learnt there in future anatomy teaching and learning exercises" - **Fay Penrose, Veterinary and Comparative Anatomist, University of Liverpool School of Veterinary Science.**

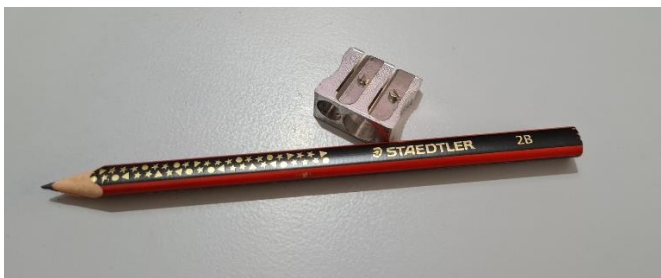
"My previous anatomical training had always focused on the straightforward identification and naming of structures. This course challenged me to look at familiar items in a naïve way, consider the relationship between what I could see and what I could touch, and to ignore what I thought I knew. By following this process, I was able to develop a more intuitive understanding of anatomical features and the relationship between structures, creating a wider foundation for my existing knowledge. Leonard's energy and enthusiasm was vital to this process. A really interesting course for any anatomist to undertake" - **Charlie James, University of East Anglia, Norwich Medical School.**



Leonard Shapiro

### Things that you will need for our workshop:

- 1 x CRETACOLOR Chunky 8B graphite stick. Saw this in half with a serrated kitchen knife. Please take care when doing this. This item is available worldwide in most art stores. You may purchase it online (e.g. in the UK <https://www.cassart.co.uk/cretacolour-chunky-graphite.htm?trackterm=CRETACOLOR> )



- 1 x triangular 2B pencil and 1 x sharpener (with big and small openings). You will need the big opening to sharpen the triangular pencil.



- A three-dimensional object. **I highly recommend** a 200gram ball-peen hammer as it is not a heavy item to hold in one hand, and it is appropriately shaped for the exercises that we will do. This is easily obtainable at a local hardware store and can be ordered online.
- A cardboard shoe box or similar sized box.
- Half a ream A3, 80gram paper (used in laser printers/copiers).
- 10 x sheets A4, 80gram paper (used in laser printers/copiers).
- A desk or tabletop of any kind. Anywhere in your home or office will do!

**Set-up for your webcam.**

You will observe and draw while standing at a desk or table top (there is a good reason for this). Please ensure that I will be able to see your forearms and hands, as well as the paper that you are drawing on. I recommend tilting your webcam downwards in order to achieve this. You will also need to see your screen so that you can see me. When we have discussion and questions, we will be seated and you may choose to direct your webcam towards your face.

Note: if you are unable to stand, I will gladly accommodate you and you can still join this workshop.

**Connecting**

We will be meeting via Zoom and after registering for this workshop, a meeting link will be emailed to you.

**Any questions?**

Please email me: [leonard.shapiro@uct.ac.za](mailto:leonard.shapiro@uct.ac.za)

**References**

Reid, S., Shapiro, L. and Louw, G. *How Haptics and Drawing Enhance the Learning of Anatomy*. Anatomical Sciences Education, 2018.

Shapiro, L., Bell, K., Dhas, K., Branson, T., Louw, G., Keenan, ID. *Focused multisensory anatomy observation and drawing for enhancing social learning and three-dimensional spatial understanding*. Anatomical Sciences Education, 2019.