



# Lumenis Ultrapulse CO<sub>2</sub> Laser

With six times the power of most CO<sub>2</sub> lasers, the Ultrapulse system is the laser for advanced applications. Delivering speed, versatility, performance and precision, Ultrapulse easily supports a full spectrum of aesthetic and surgical capabilities. We asked plastic surgeon Dr. Ananda Dorai and dermatologist Dr. Chong Yew Thong from Gleneagles Penang – both of whom have treated many patients with this machine – to share their thoughts on the Lumenis Ultrapulse CO<sub>2</sub> Laser.



Plastic surgeon Dr. Ananda Dorai



Dermatologist Dr. Chong Yew Thong

## How does the Lumenis Ultrapulse CO<sub>2</sub> Laser complement your surgical work?

**Plastic surgeon Dr. Ananda Dorai:** The Lumenis Ultrapulse CO<sub>2</sub> laser system can be used effectively in treating my patients based on their requirements. It's fractionated CO<sub>2</sub> laser technology can be used to treat various conditions like acne scarring and facial rejuvenation for aging skin. It can be used to regain the youthful nature of one's skin and can also brighten the skin tone. After a few sessions of the laser, the colour, texture and surface of the skin is improved dramatically. The Ultrapulse CO<sub>2</sub> laser can also be used as a surgical knife in assisting certain cosmetic surgeries like eyelid surgery by reducing the bruising and subsequently reducing the down time for recovery. It's ablative mode can be effectively used in treating various benign skin conditions.

## How many patients have you treated?

**AD:** I have treated many patients with fractionated CO<sub>2</sub> laser technology for various skin problems. Unfortunately, I do not keep an exact count of them.

## What do your patients say about this treatment?

**AD:** Using the Total Fx treatment for acne scarring, my patients can see that their skin becomes smoother, brighter and more youthful after a few treatment sessions. This gives them the confidence to come back for more treatment sessions as they can see the results clearly.

## Are you happy with the results that are obtained?

**AD:** Yes, I am satisfied with the results obtained using the fractionated CO<sub>2</sub> laser. My patients do agree that they need to have some down time in order to achieve their desired results. Most of my patients are well counselled before the procedure and I make sure that they can understand the treatment process and the expected results. This makes my patients more comfortable and confident about undergoing the treatment.

## How has it enhanced the services offered at your clinic?

**AD:** The Lumenis Ultrapulse CO<sub>2</sub> laser can be used to treat various skin conditions like facial rejuvenation, acne scar facial resurfacing, scar treatment, removal of moles and pigmented skin lesions.

## How does the Lumenis Ultrapulse CO<sub>2</sub> Laser technology work?

**Dermatologist Dr. Chong Yew Thong:** Lumenis Ultrapulse is a very versatile CO<sub>2</sub> laser machine that has both conventional ablative and fractional technology. It utilises DeepFx, ActiveFx or TotalFx modes to deliver high power narrow microbeams to remove columns of deep tissue into the layers of the skin thereby stimulating collagen growth and remodeling.

## What do you use the Lumenis Ultrapulse CO<sub>2</sub> Laser for?

**CYT:** It is used to treat various skin conditions ranging from removal of benign skin lesions (for example, moles, age spots, skin tags, warts) to skin resurfacing for improvement of acne scars, burns or surgical scars, wrinkles, fine lines, tone, texture and pigmentation.

## What sort of patient would benefit most from this?

**CYT:** Patients with acne scars, burns or surgical scars and signs of photo-aging would benefit most from this.

## How long does the treatment take?

**CYT:** The procedure takes about 30 to 60 minutes.

## Does it hurt?

**CYT:** The pain is tolerable in most patients and usually a numbing cream is applied one hour prior to the procedure.

## Is there any downtime for the patient?

**CYT:** There is minimal downtime. The skin will darken for one week. After the new skin is formed, the skin may be slightly red for up to four weeks.

## Are there any side effects on the patient?

**CYT:** Side effects are uncommon. There may be pain and discomfort during the procedure. Some patients develop mild hives that resolve soon after. Occasionally patients have mild acne eruptions. Rarely, infections due to herpes simplex may occur.

## How long before the patient can see the results?

**CYT:** The collagen remodeling takes at least two months. The patient may see complete results after two to six months. Occasionally, more than two procedures may be required to show improvement.

## FOR MORE INFORMATION, CONTACT:

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