

FACIAL EXAMINATION

name _____ age _____ orthodontist _____

FRONTAL VIEW

| 1a. vertical | range | patient | possible ways to normalize vertical | | | |
|-------------------------------|----------------------|-------------------|-------------------------------------|------|------------------------------|--|
| overbite | 3 mm | | LFI | BSSO | crown length change | orthodontics crown torque change |
| upper lip height | 19-22 mm | | LFI | BSSO | lengthen Mx | open deep bite lip length surgery |
| interlabial gap | 1-5 mm | | LFI | BSSO | overbite correction | lip posture change lip length surgery |
| lower lip height | 42-48 mm | | LFI | BSSO | overbite correction | lip posture change chin osteotomy - change height |
| lower 1/3 height | 60-68mm | | LFI | BSSO | overbite correction | submental lipectomy chin osteotomy - change height |
| Mx incisor exposure (relaxed) | 1-5mm | | LFI | | crown length change | lip length surgery crown torque change |
| Mx incisor exposure (smile) | 8 crown to 2 gingiva | | LFI | | crown length change | lip length surgery gingivectomy |
| closed lip | strain less touch | strain redundancy | LFI | BSSO | overbite correction | Mx height change lip length surgery |
| Mx incisor height | 9.5-11.5 mm | | | | crown length change | gingivectomy |
| upper vermillion | 6-9 mm | | | | lip reconstruction procedure | |
| lower vermillion | 8-12 mm | | | | lip reconstruction procedure | |
| middle 1/3 | 60-68mm | | | | | |

1b. vertical planning

| | |
|------------------------------|---|
| Mx1 plan-relaxed lip: | current relaxed exposure _____ ± desired change _____ = goal _____ (> 5 mm advancement anticipated? yes increase impaction) |
| Mx1 plan-smile lip: | current smile exposure _____ ± desired change _____ = goal _____ (> 5 mm advancement anticipated? yes increase impaction) |
| facial plan: | ± Mx1 height change _____ ± overbite change _____ ± chin height change _____ = net _____ OK outline - interlabial gap |

| 2. midlines | patient | | | possible ways to normalize facial midlines | | |
|-------------|----------|--|---------|--|------|---|
| nasal tip | to right | | to left | LFI | | LFI-shorten septum isolated septoplasty |
| philtrum | to right | | to left | | | soft tissue midline which dental midlines are measured to |
| Mx 11 | to right | | to left | LFI | | orthodontics canine cant change |
| Md 11 | to right | | to left | | BSSO | orthodontics canine cant change |
| chin | to right | | to left | | BSSO | chin osteotomy canine cant change |

| 3. facial levels | patient | | | | possible ways to normalize facial levels | | |
|------------------|---------|--|--------|--------------------|--|------|------------------------------|
| eyes | R down | | L down | visualize cant Y N | | | none |
| Mx canines | R down | | L down | visualize cant Y N | LFI | | orthodontics |
| Md canines | R down | | L down | visualize cant Y N | | BSSO | orthodontics |
| Md body level | R down | | L down | visualize cant Y N | | BSSO | heat treated HA augmentation |
| chin level | R down | | L down | visualize cant Y N | | BSSO | chin osteotomy |

| 4. outline | patient | | | | | | | possible ways to normalize outline | | | | |
|-------------------|--------------------------|------|--------|-----------------------------|---------|--------|---------------|------------------------------------|--------------|------------------|--------------------------------|-------------------------------------|
| general | round | wide | narrow | long | short | normal | | LFI | BSSO advance | overbite change | chin osteotomy - change height | buccal or submental lipectomy |
| zygomatic arch | R larger | wide | normal | narrow | narrow | normal | wide larger L | | | HA augmentation | reduction osteoplasty | |
| Md angle | R larger | wide | normal | narrow | narrow | normal | wide larger L | | BSSO | midline rotation | canine cant correction | cold cure HA graft |
| Md body | R larger | wide | normal | narrow | narrow | normal | wide larger L | | BSSO | midline rotation | canine cant correction | cold cure HA graft buccal lipectomy |
| chin | narrow | wide | waist | flat | angular | short | long | | | chin osteotomy | cold cure HA | buccal lipectomy |
| alar base width * | alar base width _____ mm | | | intercanthal width _____ mm | | | | | | alar base cinch | surgical narrowing | |

PROFILE

| 1. high midface projection | patient | | | | | | ways to normalize high midface projection | |
|----------------------------|-----------|--------|----------|-----------|----------|----------|---|----------------------------|
| glabella | protruded | normal | retruded | R larger | L larger | | | osteoplasty |
| orbital rim | flat | soft | normal | prominent | R larger | L larger | | heat cured HA augmentation |

| | | | | | | | | |
|-----------|------|------|---------------|-----------|----------|----------|------------------------------------|-----------------------|
| cheekbone | flat | soft | <i>normal</i> | prominent | R larger | L larger | heat cured HA augmentation | reduction osteoplasty |
| subpupil | flat | soft | <i>normal</i> | prominent | R larger | L larger | LFI (MSLFI advances more than LFI) | heat cured HA |

| 2. maxillary projection | | patient | | | | | | ways to normalize soft tissue nasal base - upper lip projection | | |
|-------------------------|----------|---------------|----------|---------------|----------------------------|---------------------|----------|---|-----------------------|------------------------|
| nasal base | concave | flat | soft | <i>normal</i> | prominent | R larger | L larger | LFI (MSLFI creates > than LFI) | desired move _____ mm | |
| ULA to TVL | retruded | <i>normal</i> | | protruded | straight Mx sulcus | lip: thin thick | | LFI | 11 torque change | lip thickness change |
| upper lip support | weak | <i>normal</i> | | strong | support: air teeth gingiva | | | LFI | 11 torque chng | desired move _____ mm |
| orthodontics 1 | age | extractions | headgear | elastics | RPE | functional | | LFI | 11 torque chng | flatten occlusal plane |
| orthodontics 2 | age | extractions | headgear | elastics | RPE | functional | | LFI | 11 torque chng | flatten occlusal plane |
| nasal projection | long | <i>normal</i> | | short | tip: up down | dorsal: hump saddle | | LFI (MSLFI shortens more than LFI) | rhinoplasty | |

| 3. mandibular projection | | patient | | | | | | ways to normalize lip and chin projection | | |
|--------------------------|----------|---------------|--|----------------------------------|--------|------|------------------|---|-----------------------------------|--------------------------------|
| LLA to TVL | retruded | <i>normal</i> | protruded | 11 deflection | accent | flat | labiomental fold | Mx11 torque change | LFI adv | Md11 torque change |
| | | | | | | | | BSSO | steepen or flatten occlusal plane | chin augmentation or reduction |
| Pog' to TVL | retruded | <i>normal</i> | protruded | Pog' relative to: lower lip nose | | | | Mx11 torque change | LFI adv | Md11 torque change |
| | | | | | | | | BSSO | steepen or flatten occlusal plane | chin augmentation or reduction |
| throat length | short | <i>normal</i> | long | chin line | sag | | | Mx11 torque change | LFI adv | Md11 torque change |
| | | | | | | | | BSSO | steepen or flatten occlusal plane | chin augmentation or reduction |
| | | | | | | | | | | submental lipectomy |
| 4. overjet | _____ mm | | does not indicate source of malocclusion | | | | orthodontics | LFI | BSSO | |

