The Rote of Ancillary Survices in the Traming of a Plastic Surgeon   

 pamentme bis. pathonda bact in the loanan fhatiouseon I fel that emphaamber be latl but se much on



 crants




 Aary arvices of a mued for a flaller ende:Hathee i wertam disordes, the dagnosis
 Unimpanat pamaturas.

Sone io heme the mote that ambllary armes phe in do number of a pomes

 Ens. The phath stment whe the likened Is athem, to the "hatury ot the anciHas fedd." In wher wonts be would be-

 wom bat all the whe hollime on mothe sus whle bem hand.

Wistere ase is this bomght out mome a intly, that is Ho muming of a Cloll

Palate Clinic. To describe how a typical cuse is handled, would, 1 hope, add a lime durity to a raher dimicult subject, The trame would cramine the case and fobt hes axo imprexsions. What of all if atet If had been repaned. he woult moker atote of the excellence or oherwise of the repats and thus form a critical assexment de the neal for further currective procedues fracly fom the enometiopint ot vew. Thes
 ant mates mate on the bepe of be foxmen the presence of absence of masillary site alpse and the need ho expansion applianses The palate is now inspected and the child then made to speak. Familianity with the terms bandied about in speech thesaps cheles, loppat this jumeture A quek I.N.T. examination is alsa pertormed.

The patient durne his munds meds the paedintician for a general chect-tfors the prosthotontist undor othodothist, the spech puholugist and the EN. N. suggent When allassemble in the ballomon forst Ginal discussion on treatment policy, on the de:s sts the plastic surgen and his seres tury, All the othe members of the teathe sit in from of him. This is symbolise When casc is now presented by the trathete and then the plastic sugeon eals semeth matalied for his vicys. The hat geres
mamt paties is decided spon by the phatio strusene, wh dionates the oreratl plan to the seretms. This is what is matly entored into the reonde.

Have ated this patictar cxample in onder to hring out the mete that the several ancllary services play. in the training of the resident. It also serves to point out sam thine that is vital. Unlegs the person at the hetm, in wit the Platic sumgen. Whas a gone wring knowledec of cach specially. he will vers smon begin to flounder in the sca of his own ignorance.
ramic laminagraply has now some in as am crcellont rereening device for most dental poblems and is especially umeful in dill cult cases, One must of course remember that umlike the conventional radograph, this XoRay machine takes proures from the back and hence the film has to be viewed as though the examiner were sitting on the back of the tongue

Por solt palute studics. in cases betre in watigated for velopharyngeal incompetence. a simplified still X.Rey study has been ad* vocated by Randall et al (1958), (Fig. I).


Fig. 1-x—Ry lactors for performing Sull stades of the seft phate.
ac advacated by Randall et al (1059)
With the four batic sounds. Da, Ee, Mm, and $S$, the vatious positions of the palate can be very realily studied (Fig. 2 ).

Of course for a dynamic view of the function of the palate and pharyax, a ethe Aummedopic sudy is essentiat. With heade phones providing the womls the patient has made and a rapid view of the film itselt. a more conplete analusis, including the important lateral pharynged wall move*

Thent. wats be nowle The examples one on qute are lesken, but the ones mentioned above I hope, will impless any prospective thance fornt the importance of his particular thammatic bont.
 fentia abour path pationtaty in the cate af fatmonswhatieral nalusat retation-
ships. Taking the cleft palate pathent ugan as an example, each ease is worked up completely, and where necessary impressions are taken. and split acrylic applimues fashoned. (Fig. 3). Ustally, 3 such apple ances are necestary before full eypansion is ubtaned and then the patient wears a re temion appliancy. (Fig. 4) This so the state

 Fer


IH THE CENTE Sgme ©xpanson op $y$ monhs from the of sarting tratment


at whel the phatie streoon may do a bone sable soblise the arch. Juint consultatons thonghout the cate of ench indivi(hus) pationt is therefore most essential since each specialty forms a part of the whole.

Now recenty, having ben diseruntled with the imethetoney of extermal traction applances for the bedly protruhetant premasillse in hilateral deft cases, we hove been embanking on internal ctastic traction methods. K. whes are passed through the masilla above the tooth beds and in front through the premasilla. The anterior wire is bent into two hooks. Internal astie traction from behind, very tapidly pull: the promasilla in line with the alvenlus (tis. 5). Lip repair then becomes very asse Chat dental whltemes also prepare "ratie mondus for tracheal reconstructions and prestheses for use after radical maxiHectomy The contribution that this sister pectaty makes. towards the smooth runn-

 been obtaned, wh the retenten plate in place.

and of the baw sumery service is

 baw tieds of sambal montomtion and pmothathon.

The fold ar apedi pathellagy and therapy is lascimang. As Spriestersbach (1964)

 has stand, the plastic surgeon should in fat bean amateur apeech pathologist. He shoub! for insance differentiats between a dental has prowhed by a cross-bite,

 whe ment mane is wery conatial To help
in making cyaluation mon case. Almanem at al (1906, have twondy intradued the Peabody Pictme Vocabulary Tost ant these involve the recogntion of 16 pictuses att the sivieen basic sernde commont une in in pocech. (Fig. 6) A seore of only $1+4$ wheng is extellent, $5-9$, fais and $10-16$ perty. (Table I).

Table 1

| No. | Picture | Sumat | 46 |
| :---: | :---: | :---: | :---: |
| 1 | Apple | p | 3 |
| 2 | Book | b | 3 |
| 3 | Duck | d | 41 |
| 4 | Top | t | 4 |
| 5 | Gun | g | 4 |
| 6 | Kite | 1 | 4 |
| 7 | Fish | 1 | 51 |
| 8 | Van | \% | 61 |
| 9 | Ship | sh | $6_{4}$ |
| 10 | louk | 1 | 68 |
| 11 | Ring | 1 | 7 |
| 12 | Chall | d | 71 |
| 13 | Jump | 1 | 78 |
| 14 | Zebra | $z$ | 74 |
| 15 | Three | d | 71 |
| 16 | Sea | 8 | 71 |

Approsimate age hevels ot which these 16 common consonam are acquired.
(Adapred from Adomson et al - 1966 )
In order to confrom or refute the diaghesis, soft palate XRays and cone studtes will help. The role of the spirometer 8 also mentioned here brielly, Chase (1960)has devised an excellent method for detecting velopharyngeal incompetence, through the judicious use of the spirometer and the in cerested traine is refered to hammede. Weathertey White (1965) a youns Ene lish resident who worked with stark if New

Fonk whthed votophoryngeal mompetence *ibl a beatifemeter. This whelle suppose colly menatte the gatal tone of vatous emsomants. The nasality meter howered the its drawlacks in interpretation. Quige ley (1965), has more recenty devised an apratur which is fxed over the nose and Henconnected to a botwire anemometer. If there is nasal escape, this can very readily be detected. With so many hundred dialces in our vast country. the posibilities of emplucting furthe such reseatch are emomense 1 :m sume the Kerah twane
 and the Muid prece of Teluguand sem, whenstudied as ware foms.
spereh theraps however nerds apecial fhoming ant twal al all inlinite pationce amel will mot thell hother wen this.

Thesiotherany is an important adjunct in the therapy of many fyes of patients. In the ratm of hand sumgery preoperative ascesments, roniometric measurements at font raness and subsequent past operative F Ither-apts whth the same tooks of meastreemest give whe an execlent piciovial re-
cord of a particular case, suffee it to say. That a hop and in the Thyto teparment Cor every tramee is absolutely witat, to grve. him the correct perspective. He will learn What plastic surgery has to do not only with the restoration of the form, but of the function as well.

入 tew words about occupation therapy can be briefly mentioned at this juncture. Notbing is moreboring ho a patient whe has had a massive resection for cancer of the face. that to wate patiently, white the sexral stares metunderway to restore he appeamoner Depreston lits his sets frocolully. If something were to be gheen his hands to do, a lot will be taken from his mind. He could also learna rade duning this period.

Thang hat wever at rather whde feld I hope I have avoided stressing the obvious of neglecting the essential. My aim has been to steer a middle course, in bringins th the attention of the trance of today. the vital wole that the various anctlaty services will playin shaping him to be the Sinisher product, A Plastic Surgeon.

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