TISH PULPITINI DAVOLASHNING ZAMONAVIY USULLARI:

VITAL PULPOTOMIYA VA ENDODONTIK DAVOLASH YONDASHUVLARI

KIUT Namangan Filiali Tibbiyot Fakulteti Stomatologiya Yonalishi DNT-N24UA guruh talabasi Raxmatillayev Umarali
+998882530500

Annotatsiya

Tish pulpiti stomatologik amaliyotda keng uchraydigan, tish pulpasining yallig‘lanishi bilan kechadigan kasalliklardan biridir. Zamonaviy stomatologiyada pulpitni davolashning asosiy maqsadi og‘riqni bartaraf etish, infeksiya tarqalishining oldini olish va imkon qadar tishning biologik funksiyasini saqlab qolishdan iborat. So‘nggi yillarda vital pulpa terapiyasi, xususan, vital pulpotomiya, shuningdek, zamonaviy endodontik davolash usullari keng qo‘llanilmoqda.

Kalit so‘zlar: tish pulpiti, vital pulpa terapiyasi, vital pulpotomiya, endodontik davolash, pulpa yallig‘lanishi, kalsiy-silikat sementlar, biokeramik materiallar, ildiz kanallari, apeks lokator, mikroskopik endodontiya.

Kirish

Tish pulpiti — tish pulpasining turli etiologik omillar, xususan, kariyes mikroorganizmlari va ularning toksinlari ta’sirida rivojlanadigan yallig‘lanish jarayonidir. Pulpa tishning ichki qismida joylashgan bo‘lib, qon tomirlari, nerv tolalari, biriktiruvchi to‘qima va hujayralardan tashkil topgan. U tishning oziqlanishi, sezuvchanligi va himoya mexanizmlarida muhim rol o‘ynaydi.

Maqolaning maqsadi

Tish pulpitini davolashda vital pulpotomiya va zamonaviy endodontik usullarning klinik ahamiyatini o‘rganish, ularning ko‘rsatmalari, asosiy bajarilish bosqichlari, afzalliklari va cheklovlarini yoritish hamda davolash usulini tanlash tamoyillarini bayon etish.

Materiallar va usullar

Maqola mavzuga oid ilmiy adabiyotlar, zamonaviy endodontik tamoyillar va vital pulpa terapiyasiga doir klinik tavsiyalarni tahlil qilish asosida tayyorlandi.

Maqola adabiyotlar tahliliga asoslangan bo‘lib, unda mustaqil klinik tajriba yoki yangi bemorlar ustida o‘tkazilgan tadqiqot natijalari keltirilmagan.

Asosiy qism

1. Pulpitni tashxislashning zamonaviy yondashuvlari

Davolash usulini tanlashdan oldin bemorning shikoyatlari, og‘riqning davomiyligi va xususiyati, tishning klinik holati hamda pulpa va periapikal to‘qimalarning ahvoli baholanadi.

Diagnostikaning asosiy usullari quyidagilardan iborat:

- Anamnez yig‘ish: og‘riqning o‘z-o‘zidan yoki tashqi ta’sir natijasida paydo bo‘lishi, kechasi kuchayishi, issiq-sovuqqa reaksiyasi va davomiyligi aniqlanadi.

2. Vital pulpotomiya: mohiyati va klinik ahamiyati

Vital pulpotomiya — tish pulpasining toj qismidagi yallig‘langan to‘qimani olib tashlab, ildiz qismidagi hayotiy pulpa to‘qimasini saqlab qolishga qaratilgan biologik davolash usulidir.

Vital pulpotomiyaning asosiy klinik ko‘rsatmalari:

- pulpaning hayotiyligi saqlangan bo‘lishi;
- kariyes natijasida pulpa ochilgan yoki ayrim holatlarda ochilish xavfi yuqori bo‘lgan tishlar;
- klinik tekshiruv natijalari pulpa to‘qimasining bir qismini saqlab qolish mumkinligini ko‘rsatishi;
- pulpa to‘qimasida nazorat qilinadigan qon ketishi va gemostazga erishish imkoniyati mavjudligi;
- tishni sifatli va germetik restavratsiya qilish imkoniyati bo‘lishi.

3. Vital pulpotomiyaning bajarilish bosqichlari

Vital pulpotomiya qat’iy aseptika qoidalariga rioya qilgan holda amalga oshiriladi.

Birinchi bosqich — diagnostika va anesteziya. Bemorning shikoyatlari, klinik va rentgenologik tekshiruv natijalari asosida tashxis aniqlashtiriladi. Muolaja mahalliy og‘riqsizlantirish ostida bajariladi.

Ikkinchi bosqich — operatsion maydonni izolyatsiya qilish. Tishni so‘lak va og‘iz bo‘shlig‘i mikroorganizmlaridan himoyalash uchun koferdamdan foydalanish tavsiya etiladi. Bu infeksiya tushish xavfini kamaytiradi.

Uchinchi bosqich — kariyes to‘qimalarini olib tashlash va pulpa kamerasini ochish. Zararlangan dentin ehtiyotkorlik bilan olib tashlanadi. Pulpa kamerasiga kirish imkoniyati yaratiladi.

To‘rtinchi bosqich — pulpotomiya. Klinik vaziyatga qarab toj pulpasining bir qismi yoki katta qismi olib tashlanadi. Qisman pulpotomiyada yuzaki zararlangan pulpa to‘qimasi, to‘liq toj pulpotomiyasida esa toj pulpasining asosiy qismi olib tashlanadi.

Beshinchi bosqich — gemostaz. Pulpa yuzasidagi qon ketishi mos steril vositalar bilan nazorat qilinadi. Qon ketishining davomiyligi va nazorat qilinish imkoniyati pulpa holatini baholashda yordam beradi, ammo yallig‘lanish darajasini yakka o‘zi aniq belgilamaydi.

Oltinchi bosqich — biomaterial qo‘llash. Pulpa yuzasiga biologik mos, kalsiy-silikat asosidagi material, masalan, MTA yoki Biodentine qo‘yilishi mumkin. Ushbu materiallar pulpa bilan mos kelishi, muhr hosil qilishi va reparativ dentin hosil bo‘lishini rag‘batlantirishi bilan ahamiyatlidir.

Yettinchi bosqich — germetik restavratsiya. Tishning ustki qismi mikroorganizmlarning qayta kirishiga yo‘l qo‘ymaydigan tarzda tiklanadi. Restavratsiyaning sifati uzoq muddatli natijaga sezilarli ta’sir ko‘rsatadi.

4. Vital pulpotomiyada zamonaviy biomateriallar

Vital pulpa terapiyasida ishlatiladigan materiallar biologik moslik, muhrlash qobiliyati va klinik barqarorlik jihatidan muhimdir.

Kalsiy gidroksid. Uzoq vaqt davomida pulpa qoplamasi va pulpotomiyada qo‘llanib kelingan. Biroq uning mexanik xususiyatlari va uzoq muddatli muhrlanish

imkoniyati nuqtayi nazaridan zamonaviy kalsiy-silikat materiallari ko‘plab klinik holatlarda afzal ko‘riladi.

Material tanlashda klinik ko‘rsatmalar, ishlab chiqaruvchi yo‘riqnomasi, tishning holati va yakuniy restavratsiyaning turi hisobga olinadi.

5. Zamonaviy endodontik davolash

Endodontik davolash pulpa to‘qimasi qaytmas darajada zararlangan yoki nekrozga uchragan holatlarda ildiz kanallari tizimini tozalash, dezinfeksiya qilish va germetik to‘ldirishga qaratilgan muolajalar majmuasidir

Endodontik davolash quyidagi bosqichlarni o‘z ichiga oladi:

1. Tashxis va davolash rejasini tuzish. Pulpaning holati, periapikal to‘qimalar, ildizlar soni, kanallar anatomiyasi va tishning tiklanish imkoniyati baholanadi.

2. Mahalliy anesteziya va izolyatsiya. Muolaja og‘riqsizlantirish ostida bajariladi. Koferdam bilan izolyatsiya qilish kanal tizimining ifloslanish xavfini kamaytiradi.

3. Endodontik kirish yo‘lini yaratish. Pulpa kamerasi ochilib, kanal teshiklari aniqlanadi. Tishning sog‘lom to‘qimalarini imkon qadar saqlashga e’tibor beriladi.

4. Ishchi uzunlikni aniqlash. Apeks lokator va rentgenologik tekshiruv yordamida ildiz kanalining ishchi uzunligi belgilanadi. Apeks lokator elektron usulda kanalning apikal qismini aniqlashga yordam beradi, biroq natija klinik va rentgenologik ma’lumotlar bilan birgalikda talqin qilinadi.

5. Mexanik ishlov berish. Qo‘l yoki nikel-titan (NiTi) aylanma asboblari yordamida kanal shakllantiriladi.

6. Kimyoviy dezinfeksiya. Kanal natriy gipoxlorit kabi irrigatsion eritmalar bilan yuviladi. EDTA eritmasi esa smear qatlamini olib tashlash uchun tegishli protokol asosida qo‘llanadi. Irrigatsiya vaqtida eritmalarning periapikal to‘qimalarga chiqib ketishiga yo‘l qo‘ymaslik zarur.

7. Ildiz kanallarini to‘ldirish. Kanal yetarli darajada tozalangan, shakllantirilgan va quritilganidan so‘ng, klinik ko‘rsatmalarga muvofiq, odatda, gutta-percha va endodontik sealer yordamida to‘ldiriladi..

8. Tishni yakuniy tiklash. Koronal restavratsiya mikroorganizmlarning kanal tizimiga qayta kirishini oldini olishda muhim o‘rin tutadi.

Vital pulpotomiya va an’anaviy endodontik davolashning maqsadi tishni saqlab qolish bo‘lsa-da, ularning biologik yondashuvi farq qiladi.

Vital pulpotomiyada pulpaning saqlab qolish mumkin bo‘lgan ildiz qismi hayotiy holatda qoldiriladi

7. Davolash samaradorligi va kuzatuv

Har ikki usulning muvaffaqiyati tashxisning aniqligi, klinik protokolga rioya qilish, mikroblar bilan qayta kontaminatsiyaning oldini olish va sifatli yakuniy restavratsiyaga bog‘liq.

Davolashdan keyin bemorning shikoyatlari, klinik belgilar va zarur holatlarda rentgenologik o‘zgarishlar kuzatib boriladi. Vital pulpotomiyadan so‘ng spontan og‘riqning yo‘qligi, tishning funksional holati va periapikal to‘qimalarda patologik o‘zgarishlarning kuzatilmasligi ijobiy belgilar hisoblanadi..

Muhokama

Zamonaviy endodontiyada asosiy tendensiyalardan biri biologik to‘qimalarni imkon qadar saqlash va minimal invaziv yondashuvni qo‘llashdir. Vital pulpotomiya pulpaning ayrim qismlari yallig‘langan bo‘lsa ham, ildiz pulpasini saqlash mumkin bo‘lgan klinik holatlarda muhim davolash usuli hisoblanadi..

Xulosa

Tish pulpitini davolashda vital pulpotomiya va zamonaviy endodontik davolash bir-birini to‘ldiruvchi, klinik ko‘rsatmalarga asoslangan yondashuvlardir. Vital pulpotomiya pulpaning saqlab qolish mumkin bo‘lgan qismini hayotiy holatda saqlashga qaratilgan bo‘lib, to‘g‘ri tanlangan holatlarda tishning biologik funksiyasini davom ettirish imkonini beradi.

Amaliy tavsiyalar

1. Pulpit tashxisini faqat og‘riq xususiyatiga yoki bitta diagnostik testga asoslanib qo‘ymaslik.

2. Vital pulpotomiyadan oldin pulpaning hayotiyligi, qon ketishining nazorat qilinishi va tishning restavratsiya imkoniyatini baholash.

: 3. Muolajalarni koferdam va aseptika talablariga rioya qilgan holda bajarish.. European Society of Endodontology. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal. 2019;52(7):923–934.

2. Duncan H. F., Galler K. M., Tomson P. L., et al. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal. 2019;52(7):923–934.
3. American Association of Endodontists. Position Statement on Vital Pulp Therapy. American Association of Endodontists.
4. American Association of Endodontists. Guide to Clinical Endodontics. American Association of Endodontists.
5. Hargreaves K. M., Berman L. H., eds. Cohen’s Pathways of the Pulp. Elsevier.
6. Torabinejad M., Walton R. E., Fouad A. F. Endodontics: Principles and Practice. Elsevier.

4. Vital pulpa terapiyasida klinik ko‘rsatmalarga mos MTA yoki boshqa zamonaviy kalsiy-silikat biomateriallaridan foydalanish.. European Society of Endodontology. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal. 2019;52(7):923–934.

2. Duncan H. F., Galler K. M., Tomson P. L., et al. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal. 2019;52(7):923–934.
3. American Association of Endodontists. Position Statement on Vital Pulp Therapy. American Association of Endodontists.
4. American Association of Endodontists. Guide to Clinical Endodontics. American Association of Endodontists.
5. Hargreaves K. M., Berman L. H., eds. Cohen’s Pathways of the Pulp. Elsevier.

6. Torabinejad M., Walton R. E., Fouad A. F. Endodontics: Principles and Practice. Elsevier.

5. Endodontik davolashda ishchi uzunlikni aniqlash, mexanik ishlov va kimyoviy irrigatsiyani o‘zaro muvofiqlashtirish.. European Society of Endodontology. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal. 2019;52(7):923–934.

2. Duncan H. F., Galler K. M., Tomson P. L., et al. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal. 2019;52(7):923–934.

3. American Association of Endodontists. Position Statement on Vital Pulp Therapy. American Association of Endodontists.

4. American Association of Endodontists. Guide to Clinical Endodontics. American Association of Endodontists.

5. Hargreaves K. M., Berman L. H., eds. Cohen’s Pathways of the Pulp. Elsevier.

6. Torabinejad M., Walton R. E., Fouad A. F. Endodontics: Principles and Practice. Elsevier.

6. Davolashdan keyin sifatli koronal restavratsiya va klinik-rentgenologik kuzatuvni ta’minlash.. European Society of Endodontology. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal. 2019;52(7):923–934.

2. Duncan H. F., Galler K. M., Tomson P. L., et al. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal. 2019;52(7):923–934.

3. American Association of Endodontists. Position Statement on Vital Pulp Therapy. American Association of Endodontists.

4. American Association of Endodontists. Guide to Clinical Endodontics. American Association of Endodontists.

5. Hargreaves K. M., Berman L. H., eds. Cohen’s Pathways of the Pulp. Elsevier.

6. Torabinejad M., Walton R. E., Fouad A. F. Endodontics: Principles and Practice. Elsevier.

Foydalanilgan adabiyotlar. European Society of Endodontology. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal. 2019;52(7):923–934.

2. Duncan H. F., Galler K. M., Tomson P. L., et al. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal. 2019;52(7):923–934.

3. American Association of Endodontists. Position Statement on Vital Pulp Therapy. American Association of Endodontists.

4. American Association of Endodontists. Guide to Clinical Endodontics. American Association of Endodontists.

5. Hargreaves K. M., Berman L. H., eds. Cohen's Pathways of the Pulp. Elsevier.

6. Torabinejad M., Walton R. E., Fouad A. F. Endodontics: Principles and Practice. Elsevier.

1. European Society of Endodontology. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal. 2019;52(7):923–934.

2. Duncan H. F., Galler K. M., Tomson P. L., et al. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal. 2019;52(7):923–934.

3. American Association of Endodontists. Position Statement on Vital Pulp Therapy. American Association of Endodontists.

4. American Association of Endodontists. Guide to Clinical Endodontics. American Association of Endodontists.

5. Hargreaves K. M., Berman L. H., eds. Cohen's Pathways of the Pulp. Elsevier.

6. Torabinejad M., Walton R. E., Fouad A. F. Endodontics: Principles and Practice. Elsevier.

Eslatma: maqolani ilmiy jurnalga yuborishdan oldin foydalanilgan adabiyotlarning nashr yili, nashri, sahifalari va DOI ma'lumotlarini jurnal talablariga muvofiq tekshirish tavsiya etiladi.

. European Society of Endodontology. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal. 2019;52(7):923–934.

2. Duncan H. F., Galler K. M., Tomson P. L., et al. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal. 2019;52(7):923–934.

3. American Association of Endodontists. Position Statement on Vital Pulp Therapy. American Association of Endodontists.

4. American Association of Endodontists. Guide to Clinical Endodontics. American Association of Endodontists.

5. Hargreaves K. M., Berman L. H., eds. Cohen's Pathways of the Pulp. Elsevier.

6. Torabinejad M., Walton R. E., Fouad A. F. Endodontics: Principles and Practice. Elsevier.

. European Society of Endodontology. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal. 2019;52(7):923–934.

2. Duncan H. F., Galler K. M., Tomson P. L., et al. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal. 2019;52(7):923–934.

3. American Association of Endodontists. Position Statement on Vital Pulp Therapy. American Association of Endodontists.

4. American Association of Endodontists. Guide to Clinical Endodontics. American Association of Endodontists.

5. Hargreaves K. M., Berman L. H., eds. Cohen's Pathways of the Pulp. Elsevier.

6. Torabinejad M., Walton R. E., Fouad A. F. Endodontics: Principles and Practice. Elsevier.

. European Society of Endodontology. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal. 2019;52(7):923–934.

2. Duncan H. F., Galler K. M., Tomson P. L., et al. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal. 2019;52(7):923–934.

3. American Association of Endodontists. Position Statement on Vital Pulp Therapy. American Association of Endodontists.

4. American Association of Endodontists. Guide to Clinical Endodontics. American Association of Endodontists.

5. Hargreaves K. M., Berman L. H., eds. Cohen's Pathways of the Pulp. Elsevier.

6. Torabinejad M., Walton R. E., Fouad A. F. Endodontics: Principles and Practice. Elsevier.

. European Society of Endodontology. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal. 2019;52(7):923–934.

2. Duncan H. F., Galler K. M., Tomson P. L., et al. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal. 2019;52(7):923–934.

3. American Association of Endodontists. Position Statement on Vital Pulp Therapy. American Association of Endodontists.

4. American Association of Endodontists. Guide to Clinical Endodontics. American Association of Endodontists.

5. Hargreaves K. M., Berman L. H., eds. Cohen's Pathways of the Pulp. Elsevier.

6. Torabinejad M., Walton R. E., Fouad A. F. Endodontics: Principles and Practice. Elsevier.

. European Society of Endodontology. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal. 2019;52(7):923–934.

2. Duncan H. F., Galler K. M., Tomson P. L., et al. European Society of Endodontology position statement: Management of deep caries and the exposed pulp. International Endodontic Journal. 2019;52(7):923–934.

3. American Association of Endodontists. Position Statement on Vital Pulp Therapy. American Association of Endodontists.

4. American Association of Endodontists. Guide to Clinical Endodontics. American Association of Endodontists.

5. Hargreaves K. M., Berman L. H., eds. Cohen's Pathways of the Pulp. Elsevier.

6. Torabinejad M., Walton R. E., Fouad A. F. Endodontics: Principles and Practice. Elsevier.